

STATE OF VERMONT
AGENCY OF TRANSPORTATION



CONTRACT PLANS

THESE PLANS DO NOT REFLECT
CHANGES MADE ON THE PROJECT.

PROPOSED IMPROVEMENT

SWANTON-ESSEX-WESTFORD-FAIRFAX-GEORGIA
TOWN OF FAIRFIELD-ALBURG-So.HERO-MILTON-BAKERSFIELD

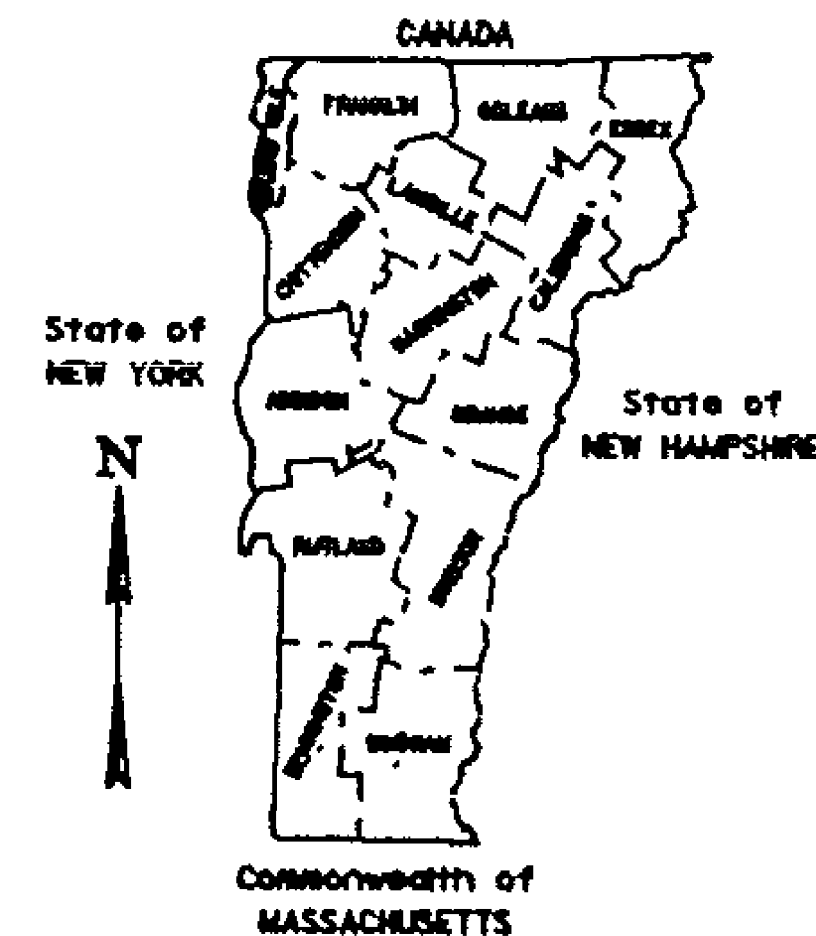
COUNTY OF CHITTENDEN-FRANKLIN

ROUTE NO. VT.78, VT.128, VT.104, US2, VT.36

ROUTE CLASS FAS

FOR DESCRIPTION AND LOCATION

SWANTON HMA 2814 SEE SHEET 9
ESSEX-WESTFORD HMA 2832, 2835 SEE SHEET 13
FAIRFAX-FAIRFIELD HMA 2836, SEE SHEET 19
ALBURG HMA 2846 SEE SHEET 26
So.HERO-MILTON HMA 2850 SEE SHEET 31
GEORGIA HMA 2854 SEE SHEET 35
FAIRFIELD-BAKERSFIELD HMA 2866, 2871 SEE SHEET 39



Date OCT 27 1987

PIKE INDUSTRIES INC.
Contractor

Roger D. Marts
Signature

VICE PRESIDENT
Title

Jose C. Gemp
Transportation Secretary's Signature

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING
CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY
ADMINISTRATION OR THE CHIEF ENGINEER.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS
FOR CONSTRUCTION DATED 1986, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON NOVEMBER 24, 1985
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE
PLANS.

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED David N. Kelly DATE 8/10/87
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT NO.

SHEET 1 OF 60 SHEETS

FOR INDEX SEE SHEETS 2-3

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PROJECT _____

NO. _____
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PROJECT _____

NO. _____
SHEET 3 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION		OPTION												OVERLAY DEPTH										ITEM NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
UNIT	FT.	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	HR	HR	LS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION												
BUICK GRADE EXCAVATOR (RENTAL TYPE I)												
DURABLE TRUCK RENTAL												
DURABLE LETTER IN WOOD MKG.												
DURABLE RKR CMSGJAG SYMBOL												
ITEM NO.	608.15	608.25	608.37	646.40	646.44	646.48						
UNIT	HR	HR	HR	LF	EA	EA						
HMA 2832	10	10	5									
HMA 2835	30	25	10	12	12							
HMA 2836	50	20	20									
HMA 2846					6							
HMA 2866	50	50	30	20	33	6						
HMA 2871	10	5	5									

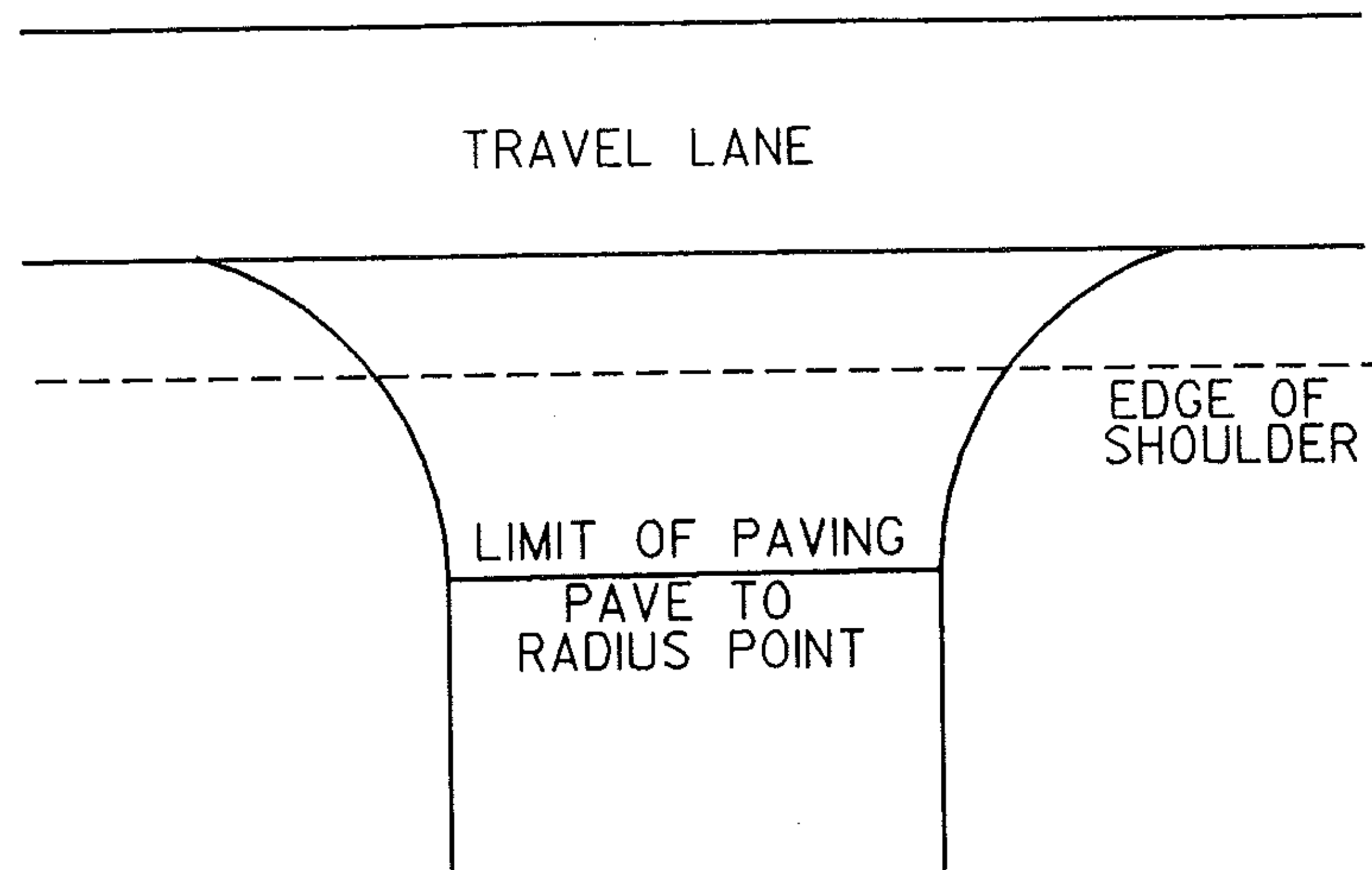
PROJECT

CIN

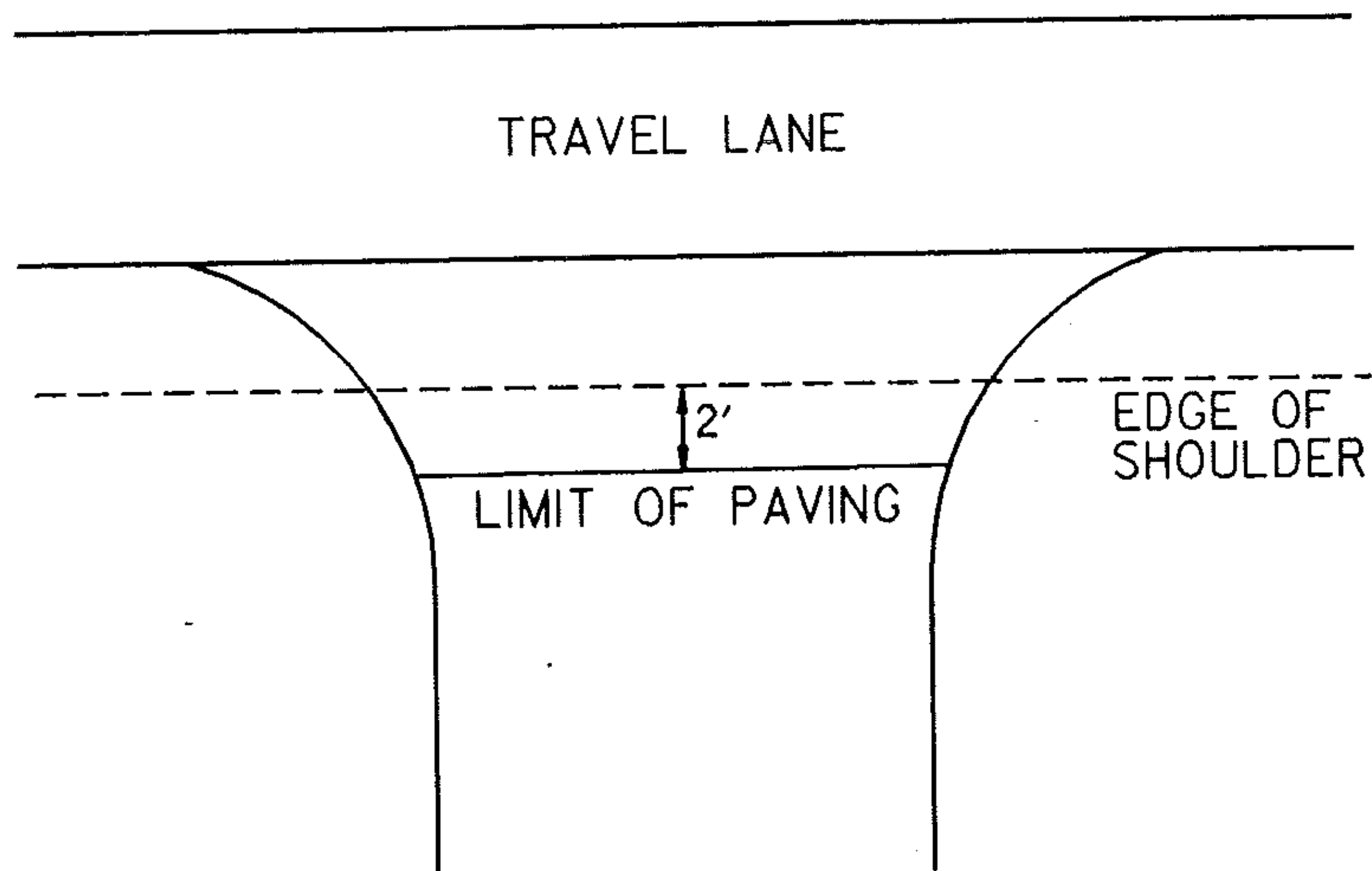
11-11-11

PAVING LIMITS FOR TOWN ROADS & DRIVES

PAVING LIMITS FOR TOWN ROADS



PAVING LIMITS FOR DRIVES



PROJECT _____

NO. _____

SHEET 6 OF 60 SHEETS

GUIDELINES FOR MINIMUM INTERIM PAVEMENT MARKINGS
IN CONSTRUCTION ZONES

- A. CENTERLINE AND GORE AREA MARKINGS SHALL BE APPLIED AT THE END OF EACH WORKING DAY. THE FOLLOWING LAYOUT REQUIREMENTS SHALL BE MET:

NO PASSING BARRIER
SOLID STRIPES.

DASHED LINE
10-FOOT SOLID LINE WITH 30-FOOT GAP.

GORE AREA
(GORE AREAS TO INCLUDE 8' CHANNELIZING LINE AND DASHED LINE)
PER STANDARD SHEET E-50

- B. EDGE LINES

WHEN SPECIFIED, EDGE LINES ARE NOT REQUIRED UNTIL COMPLETION OF THE PROJECT. ON INTERSTATE PROJECTS, TEMPORARY EDGE LINES SHOULD BE APPLIED WHERE TRAFFIC VOLUMES AND SPEEDS ARE HIGH AND DELAY OF SEVERAL DAYS IS ANTICIPATED.

- C. TEMPORARY MARKINGS MAY CONSIST OF PAINT, TAPE OR RAISED PAVEMENT MARKERS (RPM'S). THE TAPE SHALL BE A RETRO-REFLECTIVE FILM ON A CONFORMABLE METALLIC BACKING THAT CAN BE PAVED OVER. TAPE MAY BE USED ON THE FINAL SURFACE COURSE IF IT WILL NOT INTERFERE WITH THE FINAL MARKING APPLICATION. TEMPORARY TAPE MARKINGS WILL BE OFFSET AND REMOVED WHEN PROJECT IS FINISHED AND FINAL CENTERLINE PAINTED. THE TAPE SHALL BE THE TYPE THAT IS REMOVABLE INTACT AND NOT SEPERATE AT ANY TIME. THE RPM'S SHALL HAVE A SELF-ADHESIVE BACKING EASILY REMOVED BEFORE PAVING AND SHALL CONFORM TO THE FOLLOWING LAYOUT PATTERN:

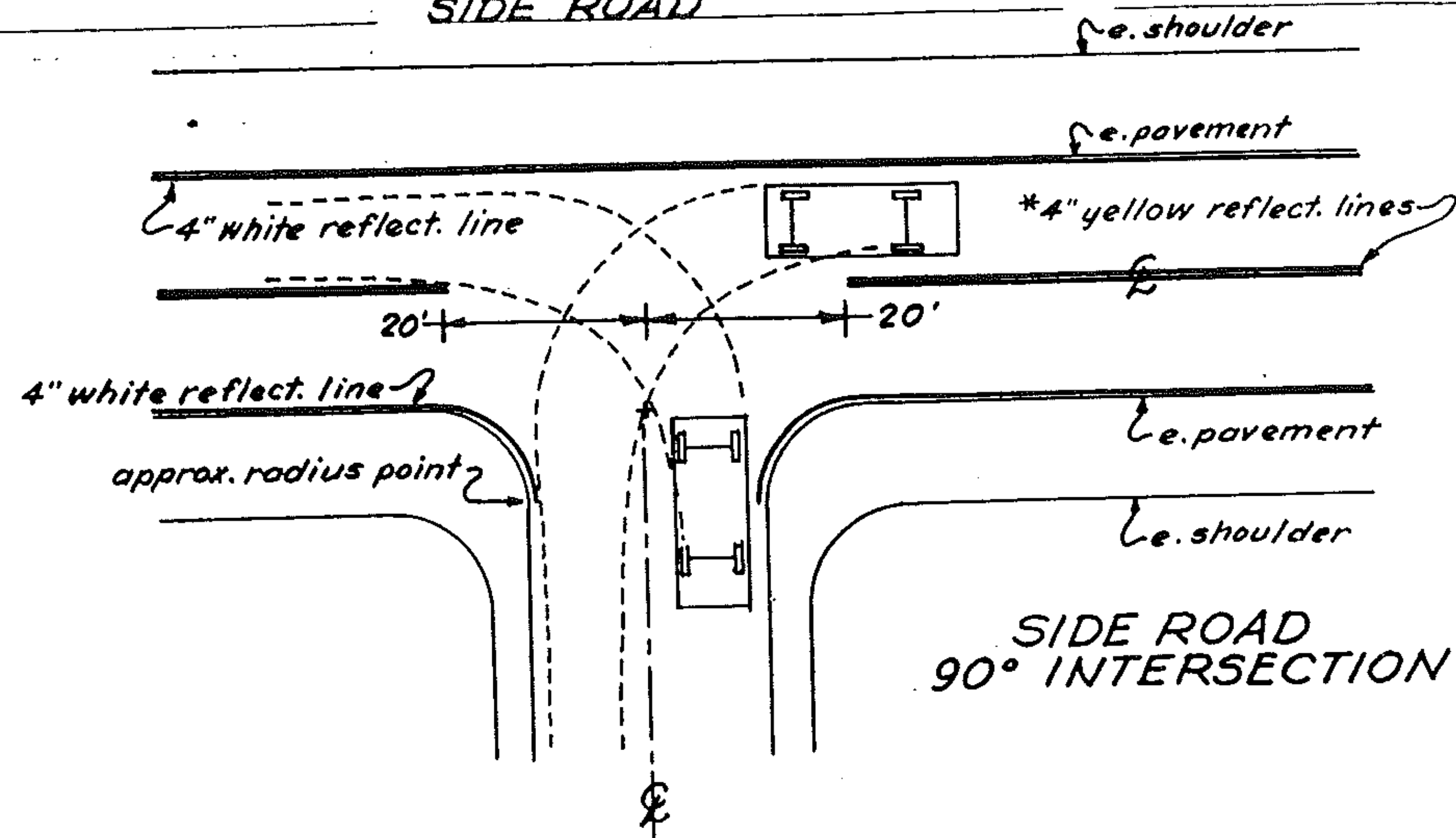
NO PASSING BARRIER
NO RPM'S ALLOWED.

DASHED LINE
FOUR RETRO-REFLECTIVE RPM'S ON 3 1/2 FOOT CENTERS WITH A 30' GAP.

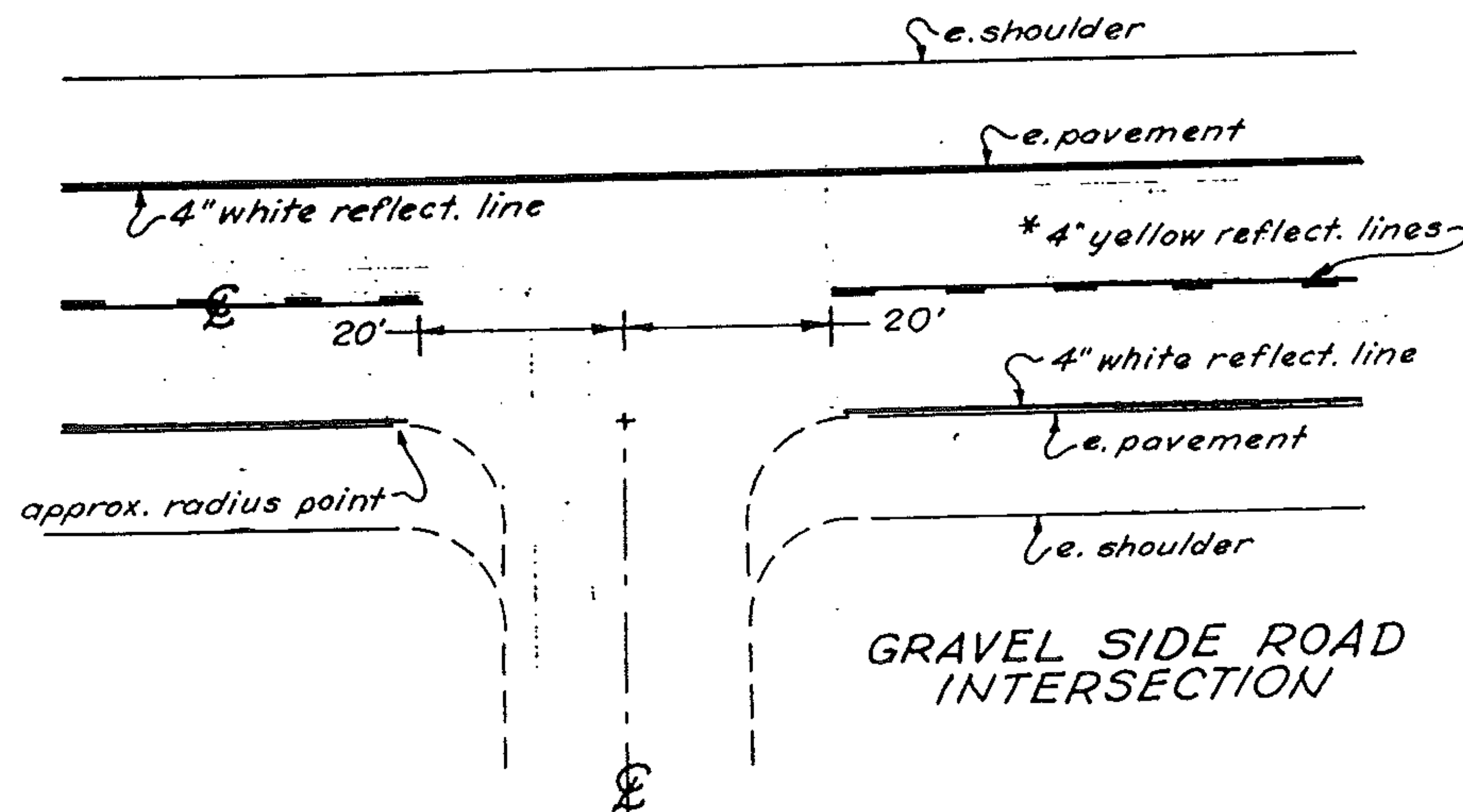
SOLID LINE - EDGE LINES
INTERSTATE MEDIAN SIDE-RETRO-REFLECTIVE RPM'S ON 4 TO 5 FOOT CENTER.
DRIVERS RIGHT SIDE-RPM'S NOT ALLOWED.

- D. WHEN PAINT IS USED FOR TEMPORARY MARKING, AN ALTERNATE MATERIAL SUCH AS TAPE OR RPM'S SHALL BE ON HAND IN THE EVENT RAIN PREVENTS THE PAINT APPLICATION FROM BEING COMPLETED. ALL PAINT SHALL BE REFLECTORIZED.
- E. PAYMENT FOR PAINT AND TAPE SHALL BE COMPUTED ON A LINEAR FOOT BASIS AS IF PAINT WAS USED. PAYMENT FOR THE RPM'S SHALL BE COMPUTED AS IF AN EQUIVALENT PAINT LINE WAS USED. (FOR EXAMPLE, DASHED LINE PAID AS 10 FEET OF PAINT, SOLID LINE PAID AS THE TOTAL DISTANCE COVERED WITH THE MARKERS).
- F. PRIOR TO ACCEPTANCE, THE PAVEMENT MARKINGS SHALL BE COMPLETED FOR THE ENTIRE PROJECT BY THE CONTRACTOR AS DETAILED ON THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.

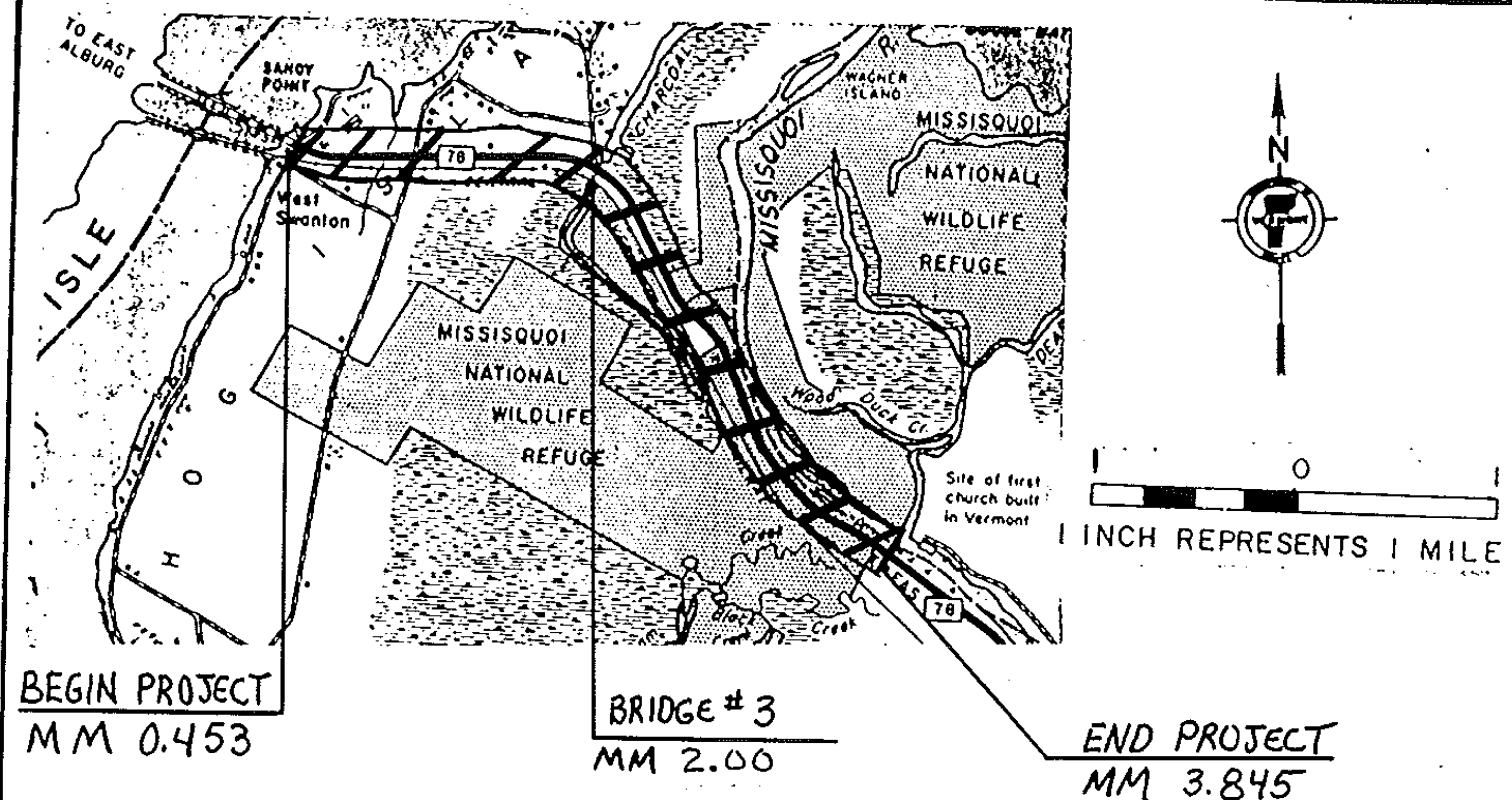
REVISED
02/11/85



* Centerline treatment shall consist of a minimum of 400 feet of solid line in advance of the intersection and shall be paired with either a solid or dashed line depending on sight distance availability in the opposing lane.



DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF SWANTON ON VT. ROUTE 78 AT MM 0.453 AND EXTENDING EASTERLY 3.392 MILES TO MM 3.845. RESURFACING OF THE HIGHWAY, NEW PAVEMENT MARKINGS

1986 ADT 3950

LENGTH OF PROJECT = 3.392 MILES
17,910 FEET

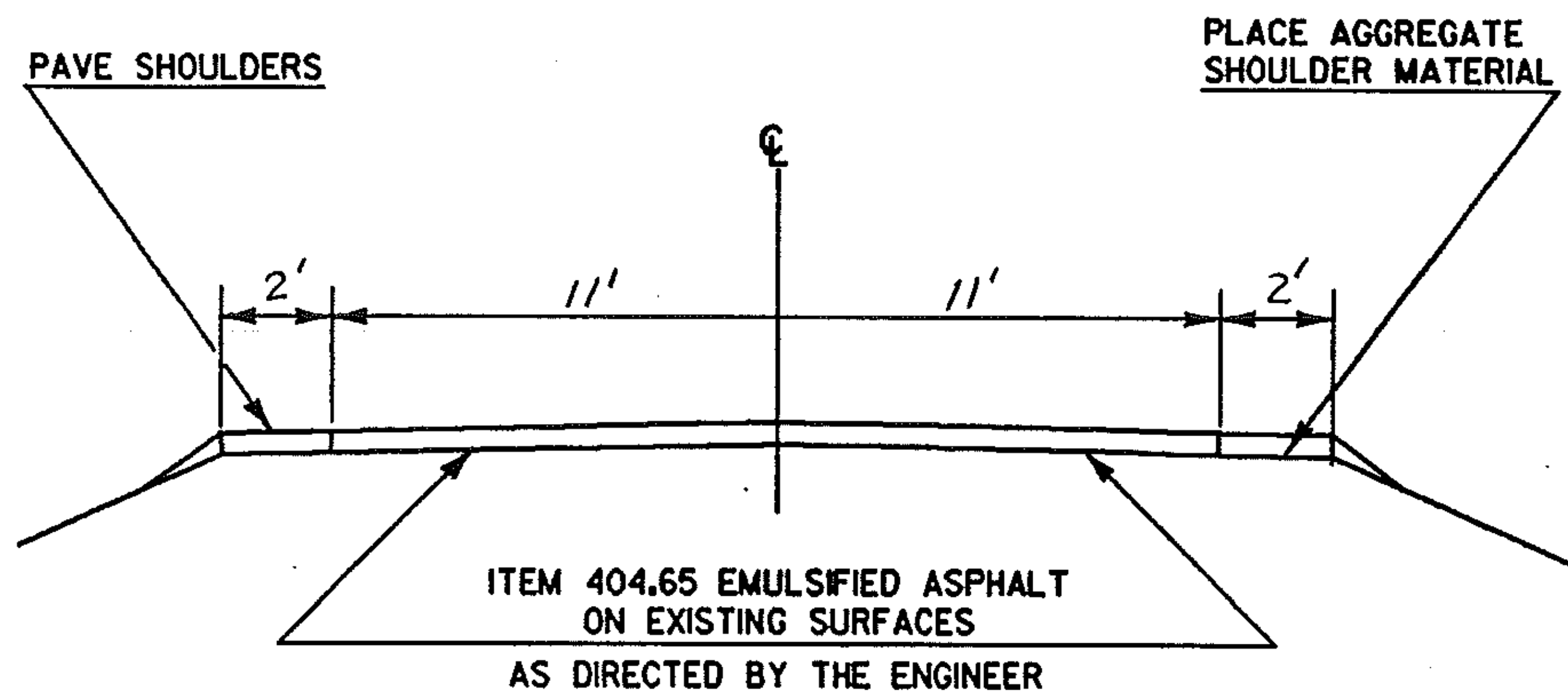
PROJECT SWANTON

NO. HMA 2814

SHEET 9 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (250 TONS/MILE)
1 1/4" WEARING COURSE TYPE III (± 1/4")
AS DIRECTED BY THE ENGINEER



VT 78 MM 0.453 ~ MM 3.845

PROJECT SWANTON

NO. HMA 2814

SHEET 10 OF 60 SHEETS

TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY C	QUANTITY RT		TOTALS
	0.45	0.69	S	S		1267		1267		2534
	0.69	0.80	S	D		581		145		726
	0.80	1.06	D	D			343			343
	1.06	1.12	S	D		317		79		396
	1.12	1.42	D	D			396			396
	1.42	1.53	D	S		145		581		726
	1.53	2.30	S	S		4066		4066		8132
	2.30	2.41	S	D		581		145		726
	2.41	2.66	D	D			330			330
	2.66	2.78	D	S		158		634		792
	2.78	3.24	S	S		2429		2429		4858
	3.24	3.30	S	D		317		79		396
	3.30	3.47	D	D			224			224
	3.47	3.57	D	S		132		528		660
	3.57	3.75	S	S		792		792		1584
	3.75	3.845	S	D		502		125		627
								SUBTOTAL	=	23450
					ASSUME 100% LOSS DUE TO LEVELING				=	23450
					MINUS 4 TH'S OPENINGS @ 90' EA				=	-640
								SUBTOTAL	=	46260
								ROUNDING	=	40
								TOTAL	=	46300

TEMPORARY 4" WHITE LINE

	0.453	3.845	S	S		17910		17910		35820

PROJECT SWANTON

NO. HMA 2814
SHEET 11 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]PROJECT SWANTON

NO. HMA 2814

SHEET 12 OF 60 SHEETS

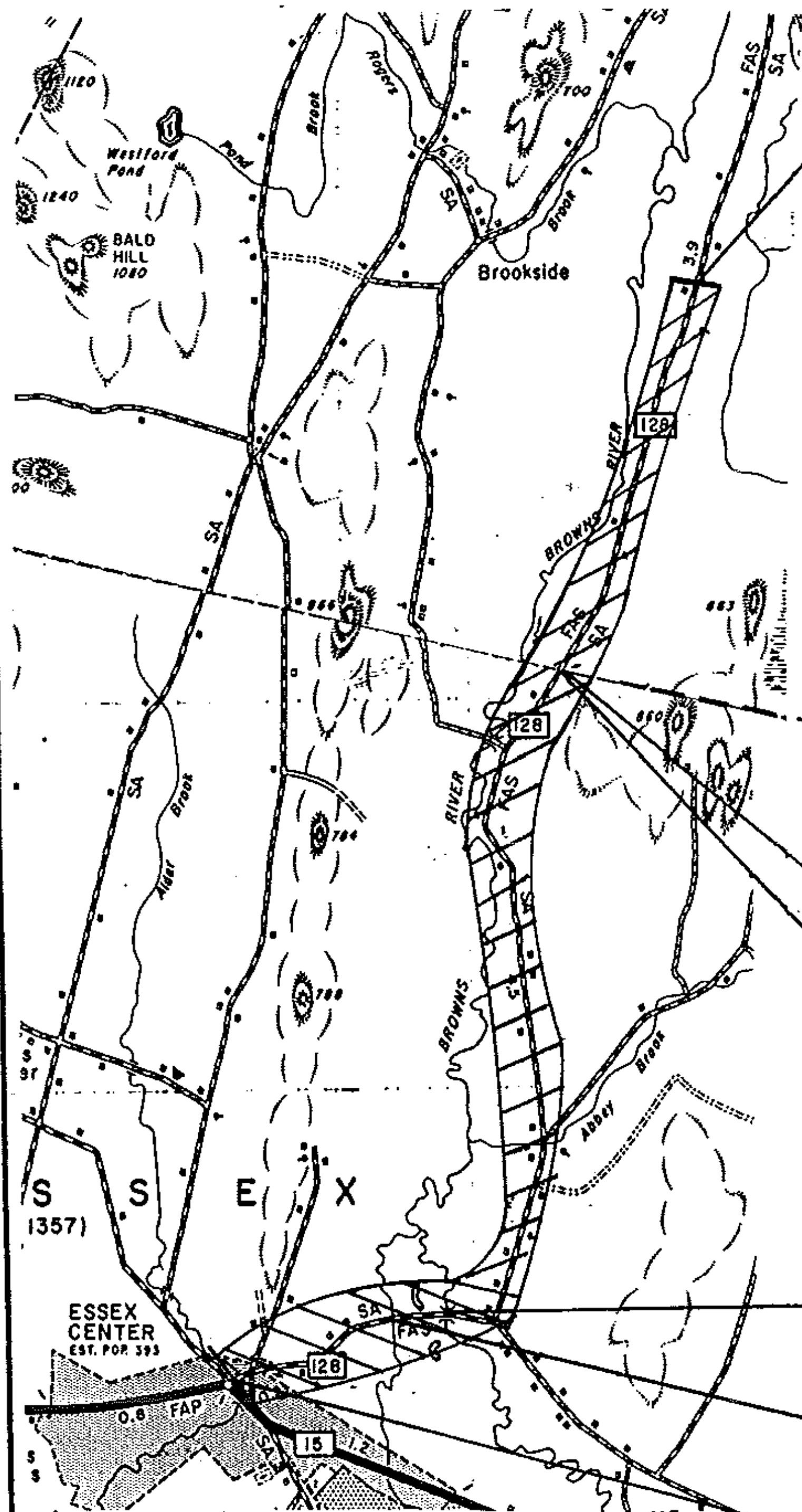
DESCRIPTION AND LOCATION

1986 ADT = 1670

END PROJECT HMA 2832
MM 1.300

HMA 2832: BEGINNING IN THE TOWN OF WESTFORD ON Rte. 128 AT MM 0.000 AND EXTENDING NORTHERLY TO MM 1.300. RESURFACING OF HIGHWAY, NEW PAVEMENT MARKINGS.

HMA 2835: BEGINNING IN THE TOWN OF ESSEX ON VT Rte. 128 AT MM 0.000 AND EXTENDING NORTHERLY TO MM 4.403. RESURFACING OF HIGHWAY, NEW PAVEMENT MARKINGS.



WESTFORD
ESSEX
0
1 INCH REPRESENTS 1 MILE



BEGIN PROJECT HMA 2832
MM 0.000

END PROJECT HMA 2835
MM 4.403

BRIDGE #3
MM 1.04
PAVE W/ONLY 3/4"

BRIDGE #2
MM 0.806

BEGIN PROJECT HMA 2835
MM 0.000

WESTFORD
HMA 2832 LENGTH = 1.3 MI. = 6864 Ft.

ESSEX
HMA 2835 LENGTH = 4.403 MI. = 23248 Ft.

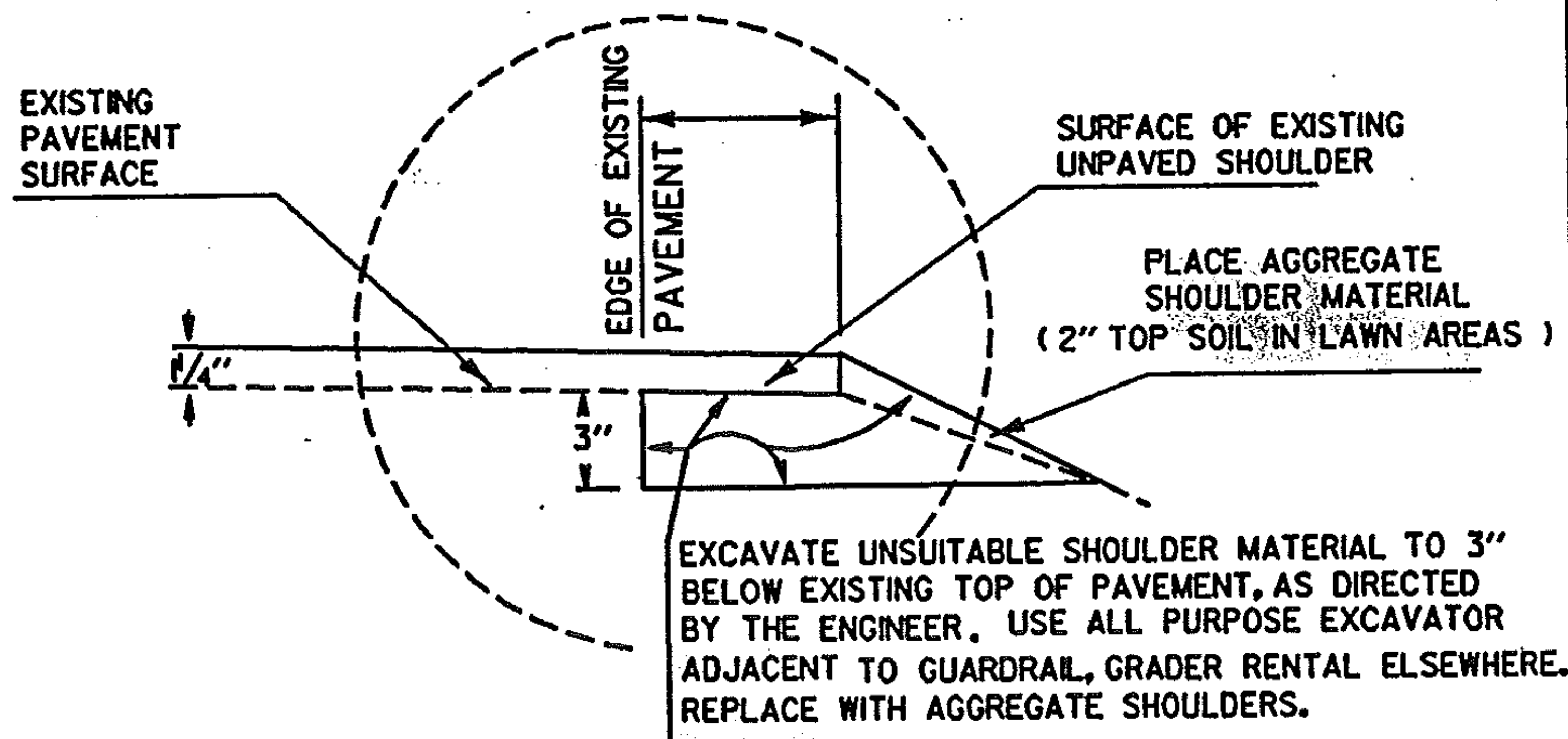
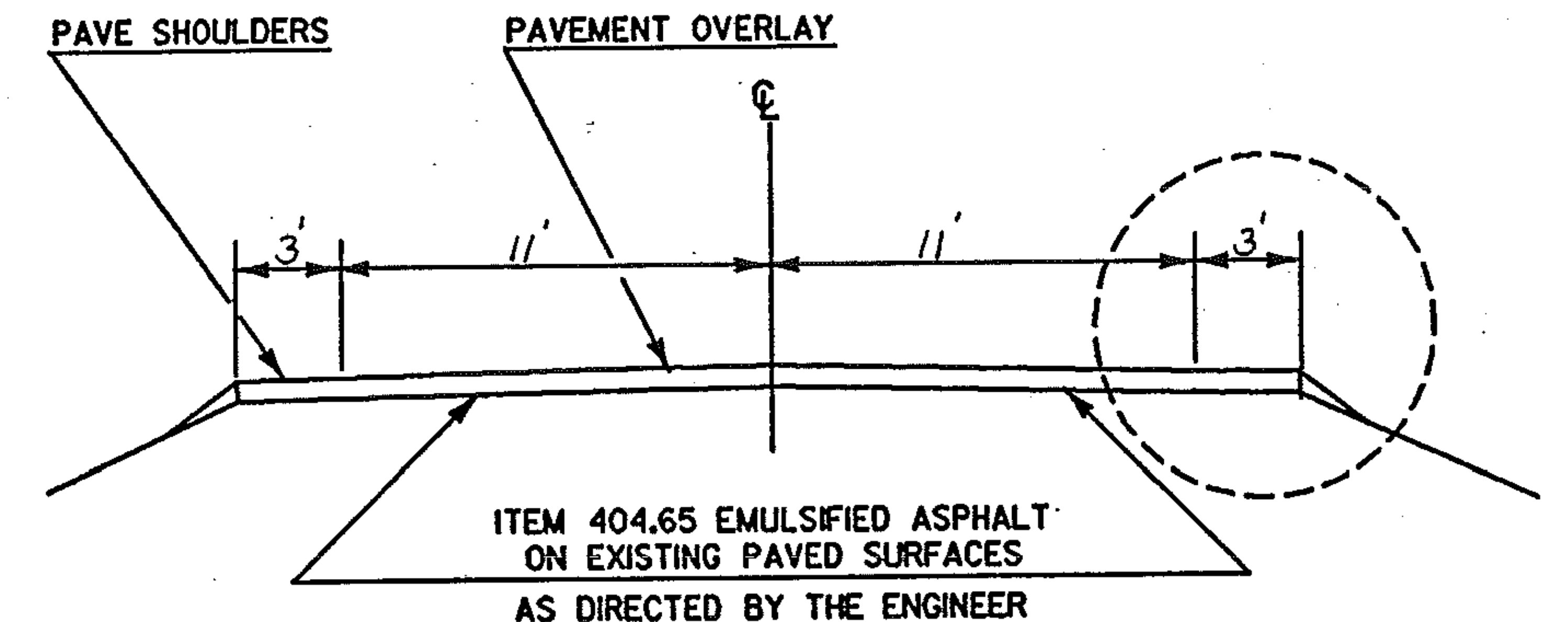
PROJECT ESSEX, WESTFORD

NO. HMA 2835, 2832

SHEET 13 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (300 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 128 ESSEX MM 0.000 ~ MM 4.403



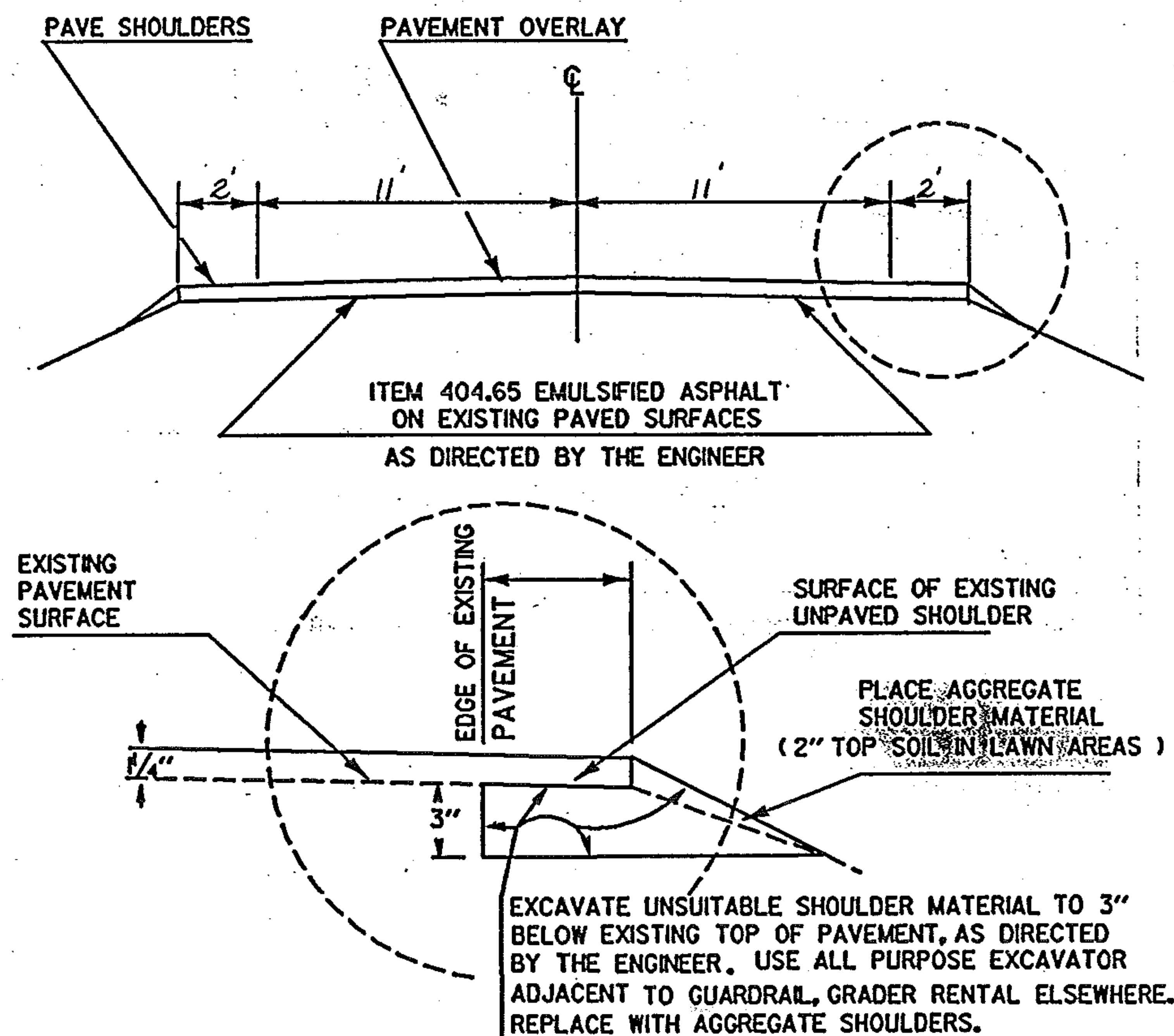
PROJECT ESSEX

NO. HMA 2835

SHEET 14 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (250 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 128 WESTFORD MM 0.000 ~ MM 1.300



TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY C	QUANTITY RT		TOTALS
Essex	0.00	0.87	S	S		4594		4594		9188
	0.87	1.02	S	S		792		792		1584
	1.02	1.49	S	S		2482		2482		4964
	1.49	1.55	S	D		317		79		396
	1.55	1.76	D	S		277		1109		1386
	1.76	1.88	D	S		158		634		792
	1.88	2.27	S	S		2059		2059		4118
	2.27	2.42	S	S		792		792		1584
	2.42	2.55	D	S		172		686		858
	2.55	2.70	S	D		792		198		990
	2.70	4.38	S	S		8870		8870		17740
	4.38	0.00	S	D		106		27		133
Westford	0.00	0.04	S	D		211		53		264
	0.04	0.22	D	D			238			238
	0.22	0.34	D	S		158		634		792
	0.34	0.62	S	S		1478		1478		2956
	0.62	0.76	S	D		739		185		924
	0.76	0.97	D	D			277			277
	0.97	1.10	D	S		171		686		857
	1.10	1.300	S	S		1056		1056		2112
								SUBTOTAL	=	52153
								ASSUME 100% LOSS DUE TO LEVELING	=	52153
								MINUS 6 TH'S @ 80' EACH	=	- 960
								SUBTOTAL	=	103346
								ROUNDING	=	4
								TOTAL	=	103350

TEMPORARY 4" WHITE LINE

Essex	0.00	4.400	S	S		23232		23232		46464
Westford	0.00	1.300	S	S		6864		6864		13728
								SUBTOTAL		60192
								ROUNDING		8
								TOTAL		60200
	12 L.F. OF DURABLE STOP BAR @ MM 0.00 IN ESSEX =								12 L.F. STOP BAR	
	"SCHOOL" DURABLE LETTERS @ MM 0.08 & MM 0.28 IN ESSEX =								12 DURABLE LETTERS	

PROJECT Essex - Westford

NO. HMA 2835 & 2832

SHEET 16 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION																	
OPTION																	
LENGTH																	
WIDTH																	
OVERLAY DEPTH																	
GRAVEL SHOULDERS																	
EMULSIFIED ASPHALT																	
BITUMINOUS CONCRETE PAVEMENT																	
UNIFORMED BROOM RENTAL																	
FLAGGERS																	
MOBILIZATION																	
TEMP 4" WHITE LINE																	
TOPSOIL																	
ITEM NO.	FT.	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	LS	LF	LF	CY			
ESSEX																	
HMA 2835	23248	28	1 1/4	1292	2261	71	5015	35	253	253	0.14	464164	86506	110	INCLUDES SHOULDERS LEVEL COURSE		
							1321										
WESTFORD	6864	26	1 1/4	254	445	21	1374	10	68	68	0.04	13728	16840	33	INCLUDES SHOULDERS LEVEL COURSE		
HMA 2832							325										
DRIVES & APPROACHES				25	44	—	35	—	—	—	—	—	—	—			
ROUNDING				4	—	3	30	5	4	—	—	8	4	7			

PROJECT
ESSEX - WESTFORD

NO. HMA 2835.2832

[illegible]

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION									
POWER GRADER RENTAL									
ALC PUMPAGE EXCAVATORS TYPE 1									
DURABLE 24" STOP BAR									
DURABLE LETTER IN WIND MARKING									
ITEM NO.	608.15	608.25	608.37	646.40	646.44				
UNIT	HR	HR	HR	LF	EA				
ESSEX HMA	30	25	10						
MM 0.00				12					
MM 0.08					6				" SCHOOL "
MM 0.28					6				" SCHOOL "
WESTFORD	10	10	5						
HMA 2832									
TOTALS	40	35	15	12	12				

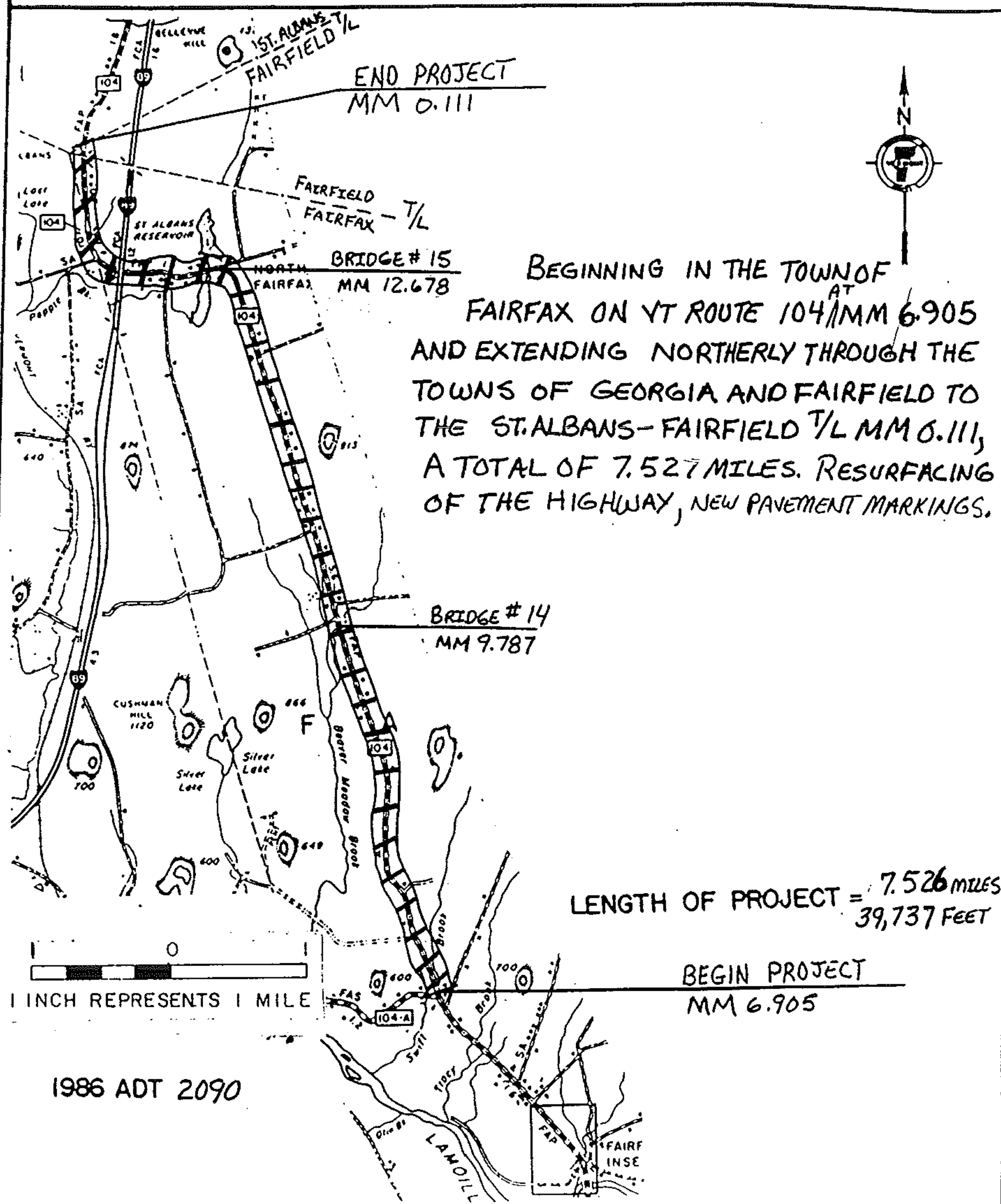
PROJECT ESSEX - WESTFORD

CZ

HMA 2835, 2832

18-19

DESCRIPTION AND LOCATION



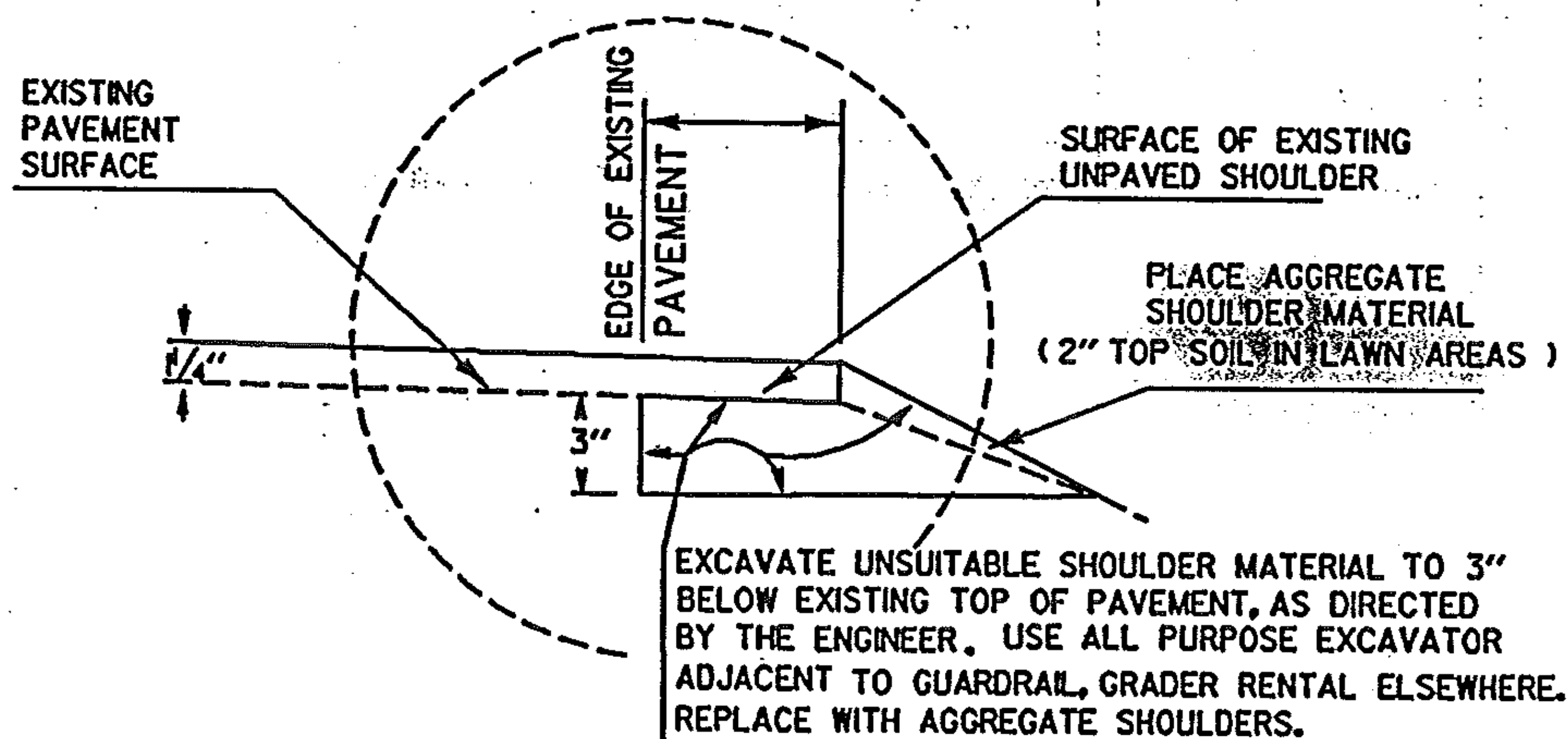
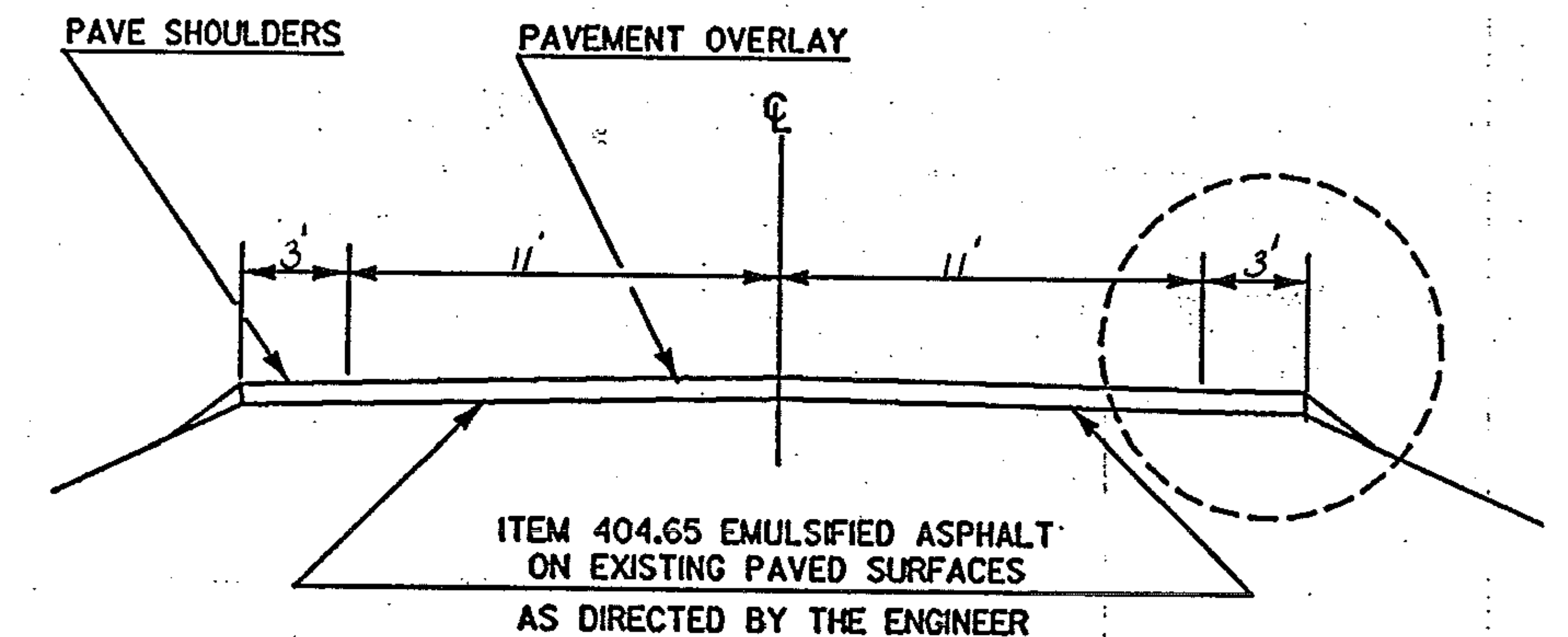
PROJECT FAIRFAX - GEORGIA - FAIRFIELD

NO. HMA 2836

SHEET 19 OF 60 SHEETS

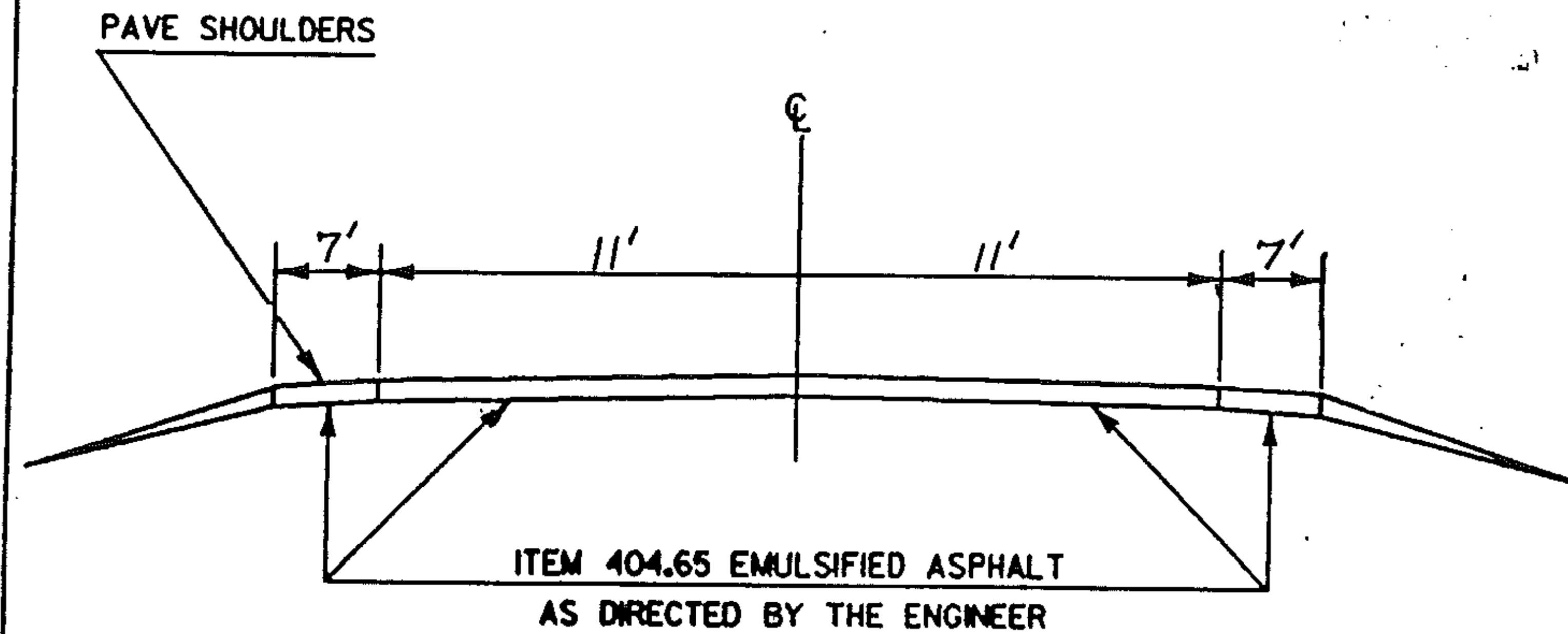
TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (250 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 104 FAIRFAX MM 6.905 ~ MM 12.29
 MM 12.80 ~ MM 14.19



TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (250 TONS/MILE)
1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



VT 104 FAIRFAX MM 12.29 ~ MM 12.80

PROJECT FAIRFAX-GEORGIA-FAIRFIELD

NO. HMA 2836

SHEET 21 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
AGGREGATE SHOULDERS ($\pm 1/2"$)

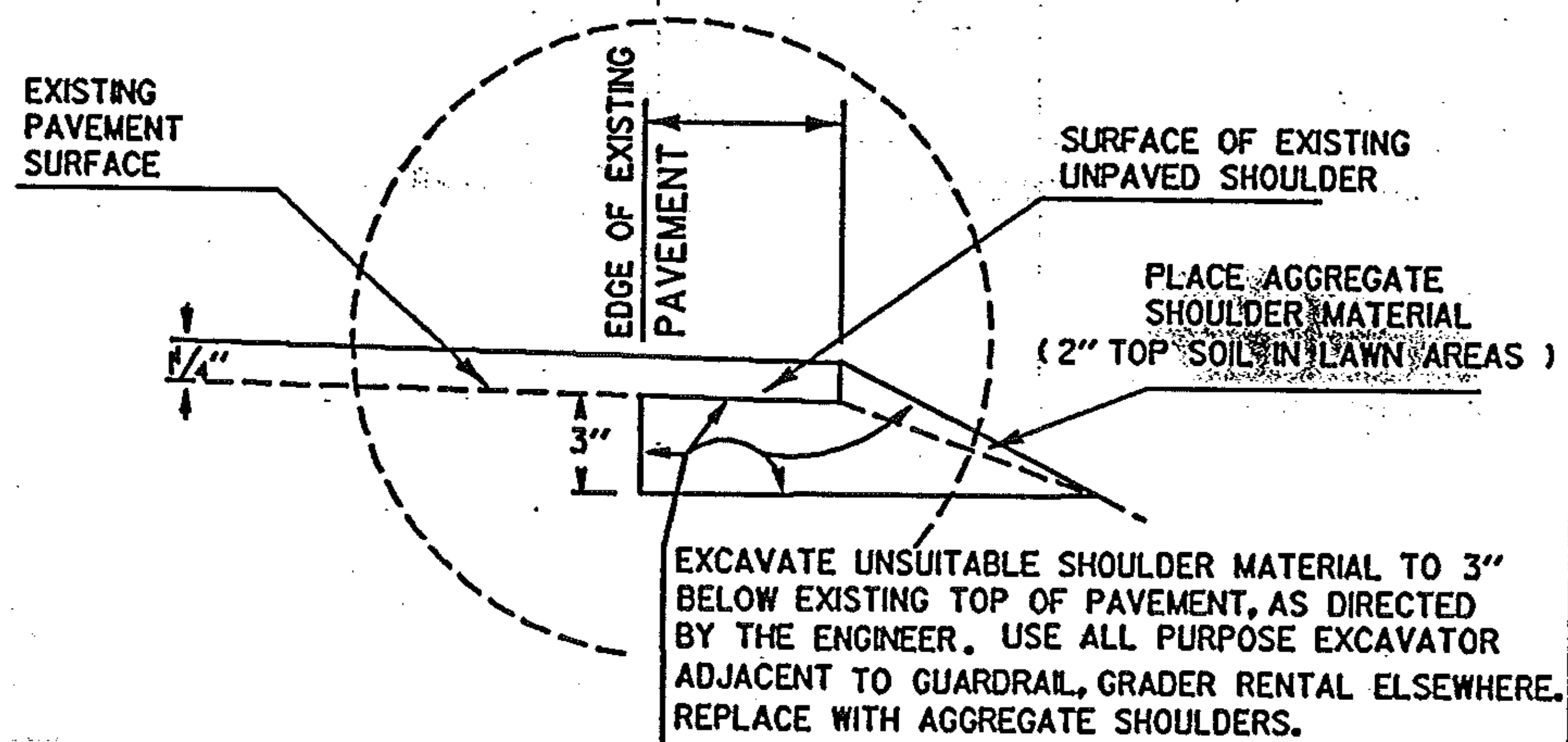
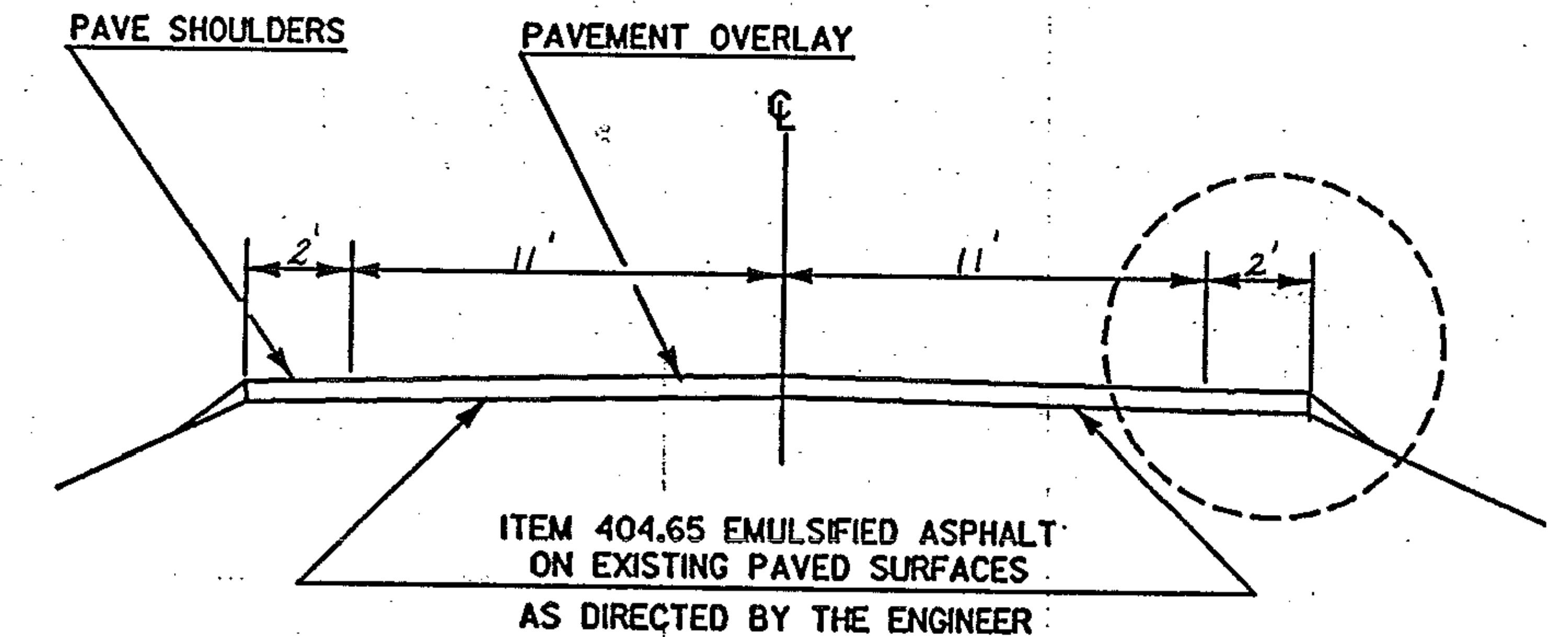
LEVELING COURSE TYPE IV (250 TONS/MILE)

1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)

AS DIRECTED BY THE ENGINEER

VT. 104 GEORGIA MM 0.000 ~ MM 0.130

FAIRFIELD MM 0.000 ~ MM 0.111



TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY C	QUANTITY RT		TOTALS
FAIRFAX	6.905	7.02	S	S		607		607		1214
	7.02	7.16	S	S		739		739		1478
	7.16	7.28	S	S		634		634		1268
	7.28	7.40	S	S		634		634		1268
	7.40	7.53	S	S		686		686		1372
	7.53	7.64	S	S		581		581		1162
	7.64	8.71	S	S		5650		5650		11300
	8.71	8.84	S	D		686		172		858
	8.84	9.29	D	D			594			594
	9.29	9.41	D	S		158		634		792
	9.41	9.64	S	S		1214		1214		2428
	9.64	9.82	S	D		950		238		1188
	9.82	10.03	S	S		1109		1109		2218
	10.03	10.15	S	D		634		158		792
	10.15	10.37	D	S		290		1162		1452
	10.37	10.93	S	S		2957		2957		5914
	10.93	11.09	S	D		845		211		1056
	11.09	11.16	D	D			92			92
	11.16	11.28	D	S		159		634		793
	11.28	11.37	S	S		475		475		950
	11.37	11.50	S	D		686		172		858
	11.50	11.86	D	D			475			475
	11.86	11.94	S	S		422		422		844
	11.94	12.06	D	S		158		634		792
	12.06	13.60	S	S		8131		8131		16262
GEORGIA	0.00	0.04	S	S		211		211		422

TEMPORARY 4" WHITE LINE

TEMPORARY 4" YELLOW LINE

[illegible]

TEMPORARY 4" WHITE LINE

[illegible]

PROJECT FAIRFAX-GEORGIA-FAIRFIELD

NO. 2836
SHEET 24 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]

PROJECT FAIRFAX - GEORGIA - FAIRFIELD

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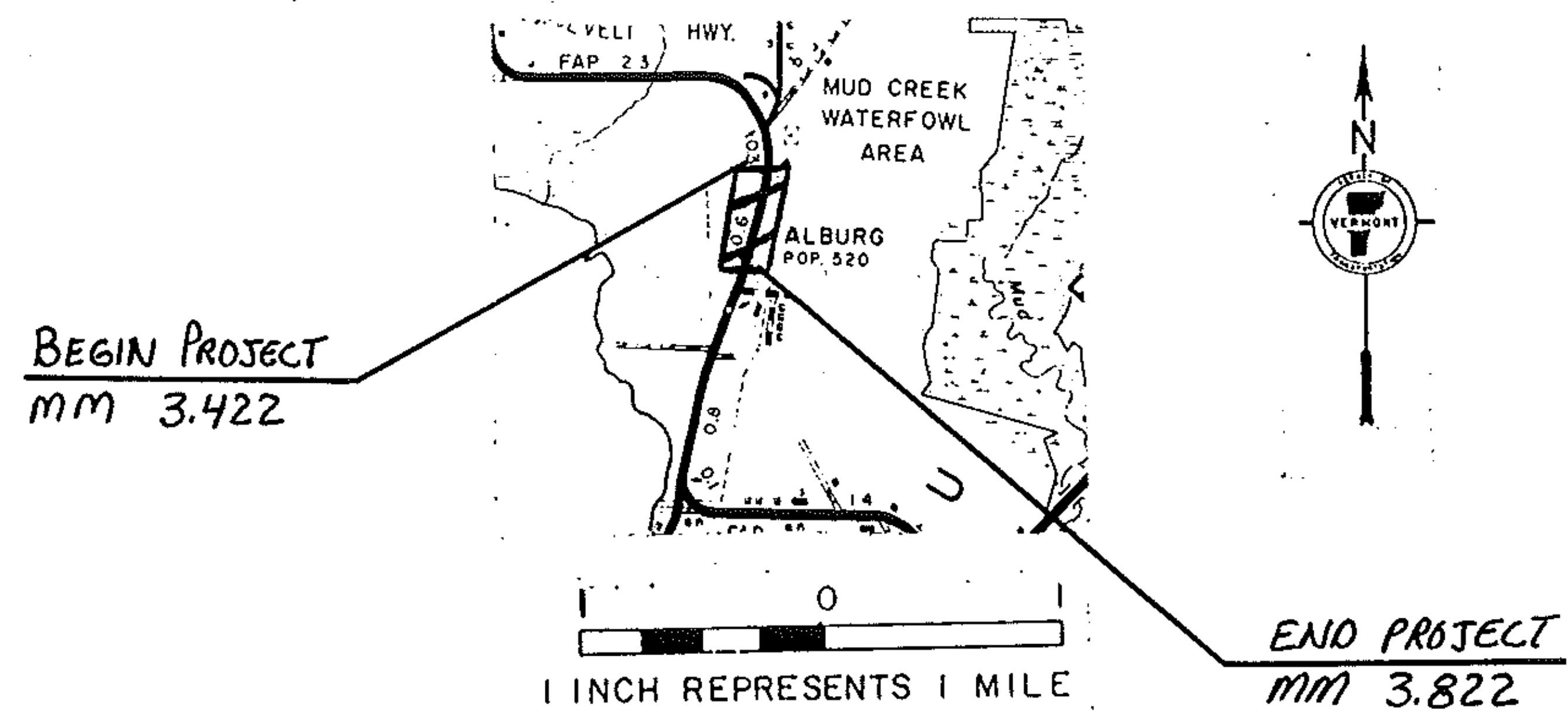
444 2836

SHEET 25 OF 60 SHEETS

ITEM DESCRIPTION
POWDER GRADE RENTHAL
ALL PURPOSE EXCAVATOR RENTHAL TYPE 1
TRUCK RENTHAL

09 JUL 60

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF ALBURG AT MM 3.422
ON US2, AND EXTENDING SOUTHERLY 0.400 MILES TO MM 3.822.
RESURFACING AND NEW PAVEMENT MARKINGS.

LENGTH : 0.400 MILES
2112 FEET

1984 AOT : 4230

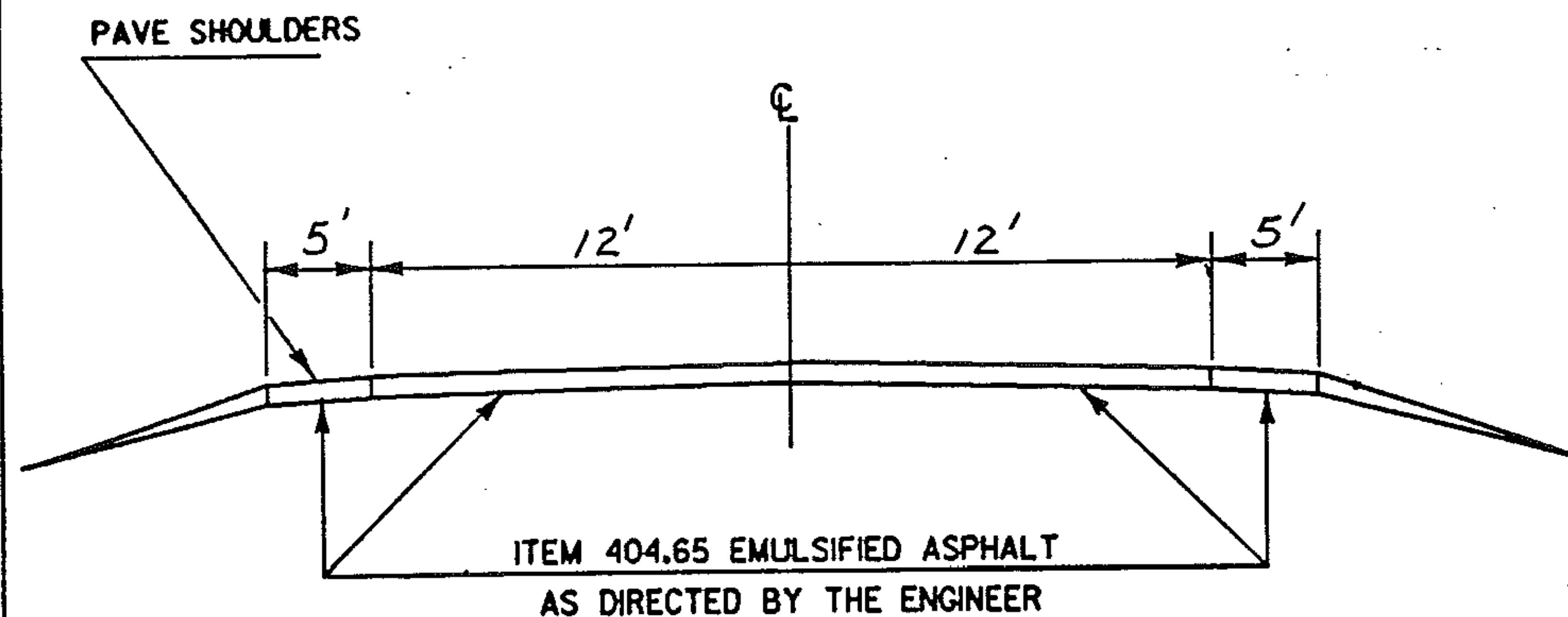
PROJECT ALBURG

NO. HMA 2846

SHEET 26 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 LEVELING COURSE TYPE IV (385 TONS/MILE)
 1 1/2" WEARING COURSE TYPE III (± 1/4")
 AS DIRECTED BY THE ENGINEER



US 2 ALBURG MM 3.422 ~ MM 3.822

PROJECT ALBURG

NO. HMA 2846

SHEET 27 OF 60 SHEETS

TEMPORARY 4" YELLOW LINE

MILE	MILE	LT	RT		QUANTITY LT	QUANTITY Q	QUANTITY RT	TOTALS
3.422	3.49	S	S		359		359	718
3.49	3.822	S	S		1753		1753	3506
							SUBTOTAL	= 4224
				100% LOSS DUE TO LEVELING - ASSUMED				= 4224
							SUBTOTAL	= 8448
							ROUNDING	= 2
							TOTAL	8450
				DURABLE LETTERS "SCHOOL"	MM 3.76 Rt.			16 LETTERS

TEMPORARY 4" WHITE LINE

[illegible]

PROJECT ALBURG

NO. HMA 2846

SHEET 28 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

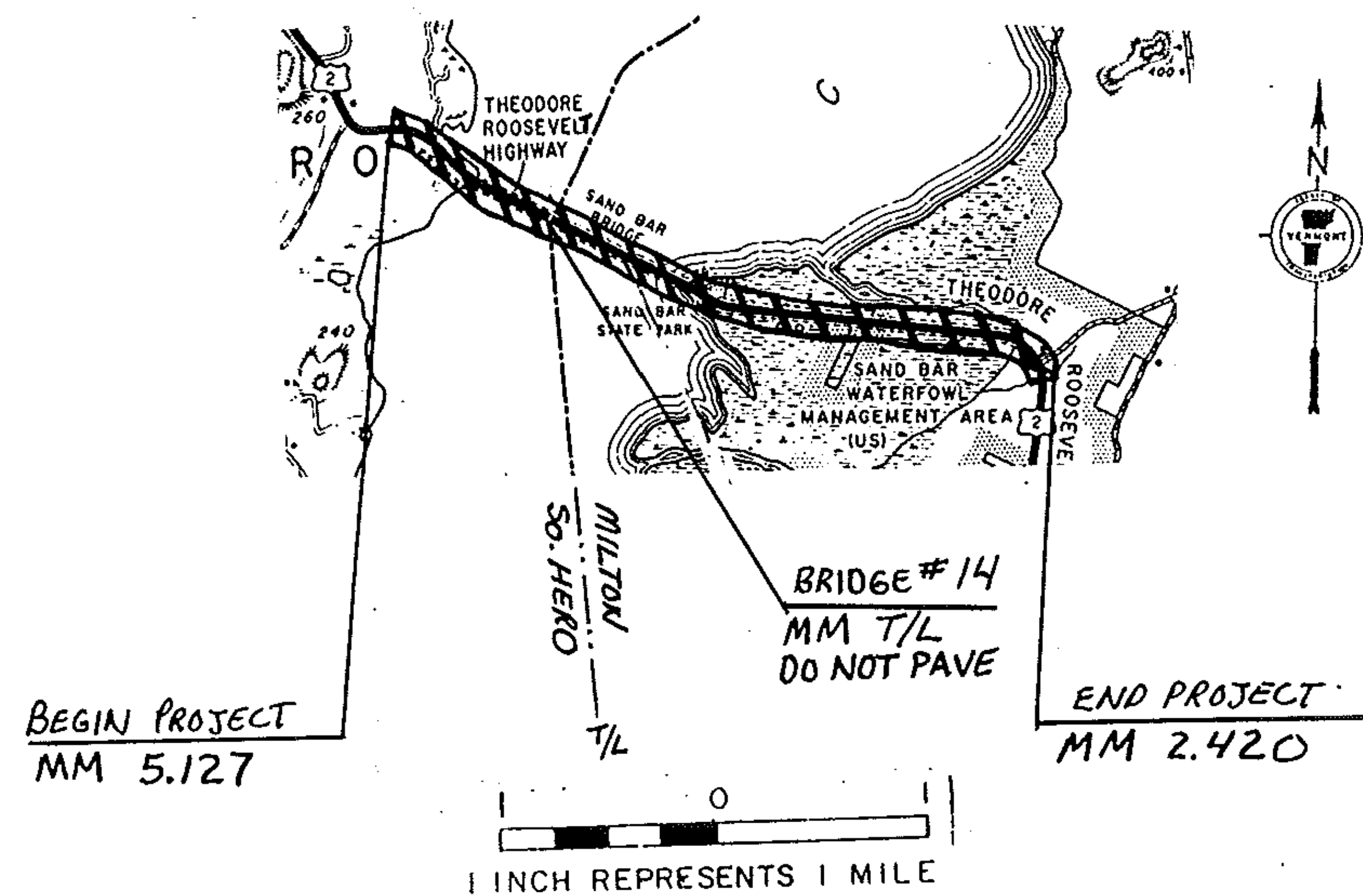
NO
DURABLE LETTER IN WORD MARKING

ITEM DESCRIPTION

ITEM NO.		646.44
UNIT		EA
mM 3.76		6
TOTAL		6

PROJECT	ALBURG	NO.	HMA 2846	SHEET 30 OF 60 SHEETS
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DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF SO. HERO AT MM 5.127 ON US2, AND EXTENDING EAST 3.174 MILES TO MM 2.42 IN THE TOWN OF MILTON. RESURFACING AND NEW PAVEMENT MARKINGS.

LENGTH : 3.174 MILES
16759 FEET

1984 ADT: 5290

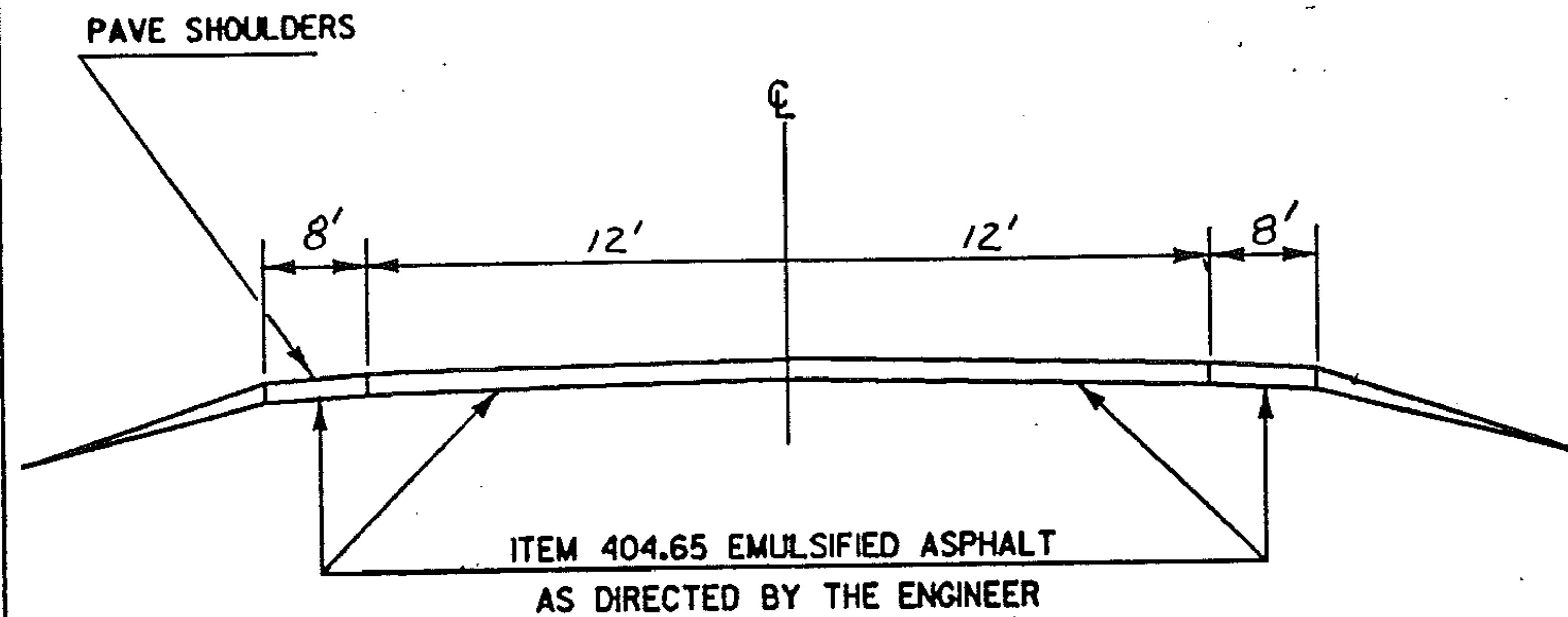
PROJECT So. Hero - Milton

NO. HMA 2850

SHEET 31 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (45 STONS/MILE)
1 1/2" WEARING COURSE TYPE III (± 1/4")
AS DIRECTED BY THE ENGINEER



US 2 So. HERO MM 5.127 ~ MILTON MM 2.420

PROJECT So. HERO - MILTON

NO. HMA 2850

SHEET 32 OF 60 SHEETS

TEMPORARY 4" YELLOW LINE

[illegible]

TEMPORARY 4" WHITE LINE

[illegible]

PROJECT So. HERO - MILTON.

NO. HMA 2850
SHEET 33 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

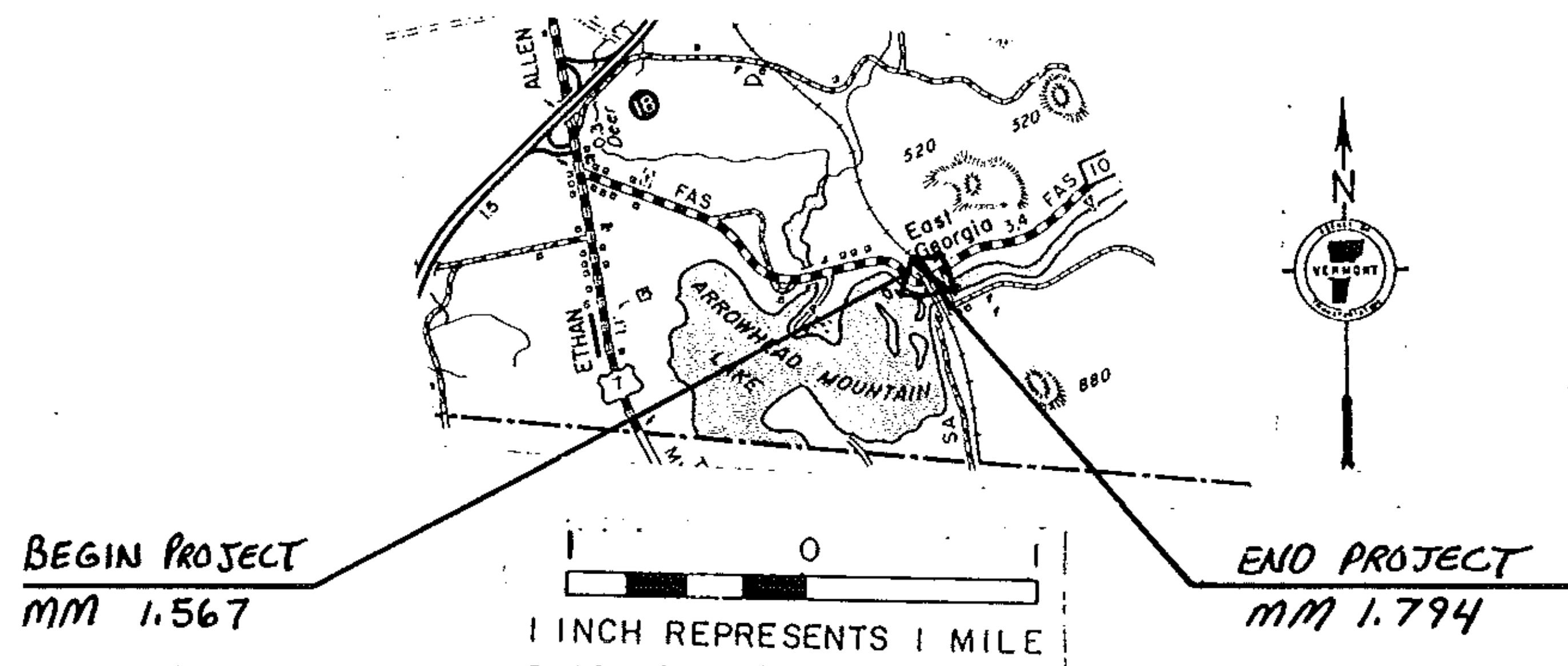
[illegible]

PROJECT So. HERO - M1, LTON.

NO. HMA 2850

SHEET 34 OF 60 SHEETS

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF GEORGIA ON VT. RT.
104-A AT MM 1.567 AND EXTENDING EAST FOR 0.227 MILES TO
MM 1.794. RESURFACING AND NEW PAVEMENT MARKINGS.

LENGTH: 0.227 MILES
1199 FEET

1984 ADT: 1530

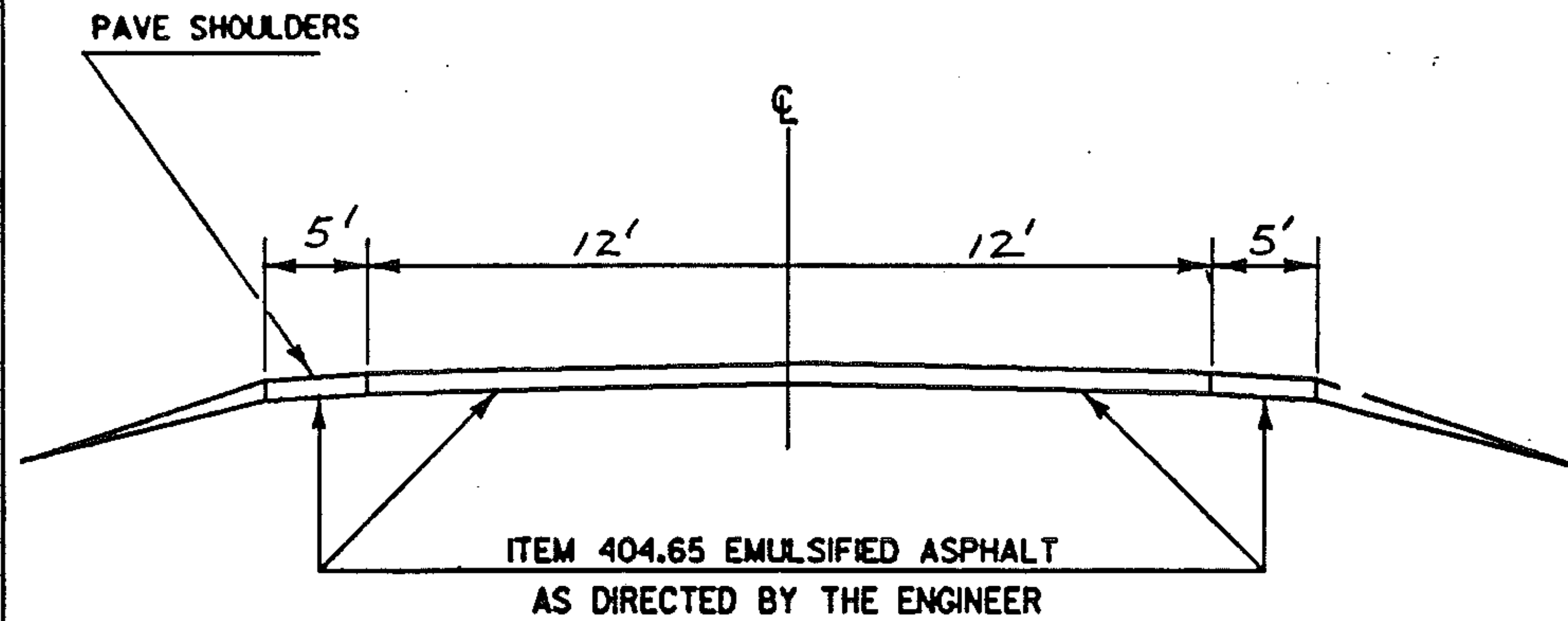
PROJECT GEORGIA

NO. HMA 2854

SHEET 35 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (385 TONS/MILE)
1 1/4" WEARING COURSE TYPE III (±1/4")
AS DIRECTED BY THE ENGINEER



VT 104-A GEORGIA MM 1.567 ~ MM 1.794

PROJECT GEORGIA

NO. HMA 2854

SHEET 36 OF 66 SHEETS

TEMPORARY 4" YELLOW LINE

[illegible]

TEMPORARY 4" WHITE LINE

[illegible]PROJECT GEORGIA

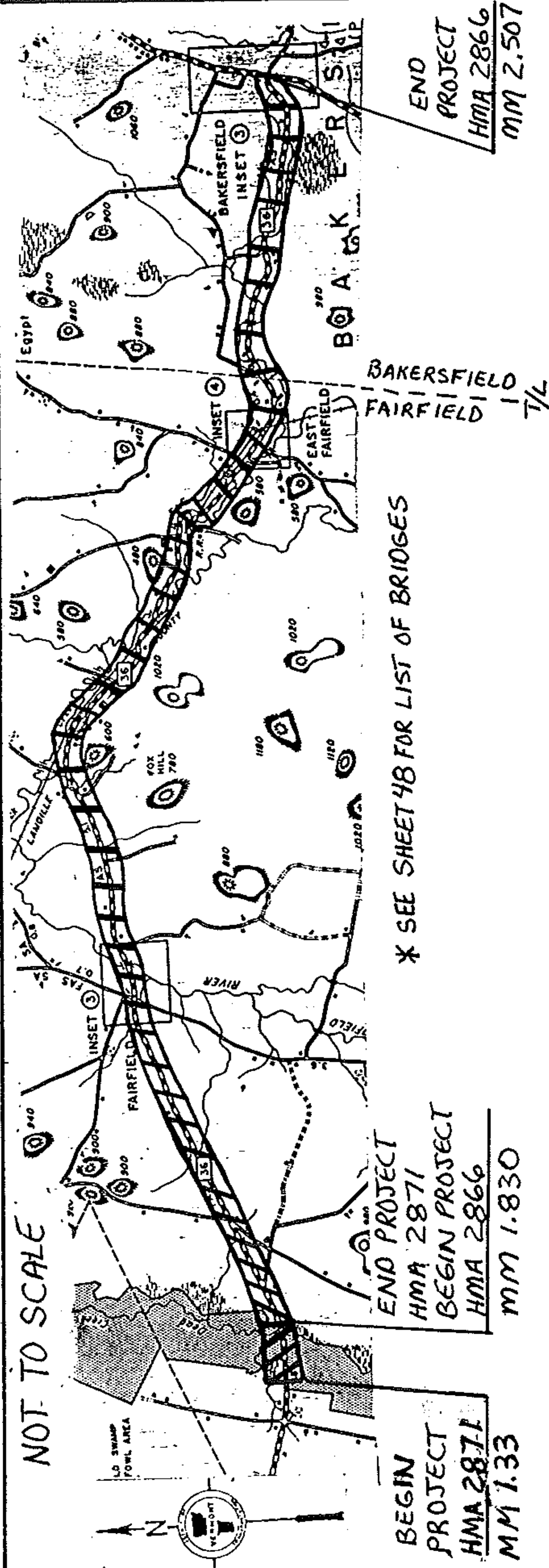
NO. HMA 2854

SHEET 37 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

PROJECT GEORGINA NO. 2854 HMA 2854 SHEET 38 OF 60 SHEETS

DESCRIPTION AND LOCATION



BEGINNING IN THE TOWN OF FAIRFIELD AT MM 1.33 ON Vt. Route 36
(HMA 2871) AND EXTENDING EAST 0.50 MILES TO MM 1.830. BEGINNING
IN THE TOWN OF FAIRFIELD AT MM 1.830 (HMA 2866) AND EXTENDING
EAST 10.667 MILES TO MM 2.507 IN THE TOWN OF BAKERSFIELD, ON Vt. Route 36.
RESURFACING AND NEW PAVEMENT MARKINGS.

HMA 2871 1984 ADT: 1480
LENGTH : 0.50 MILES
2640 FEET

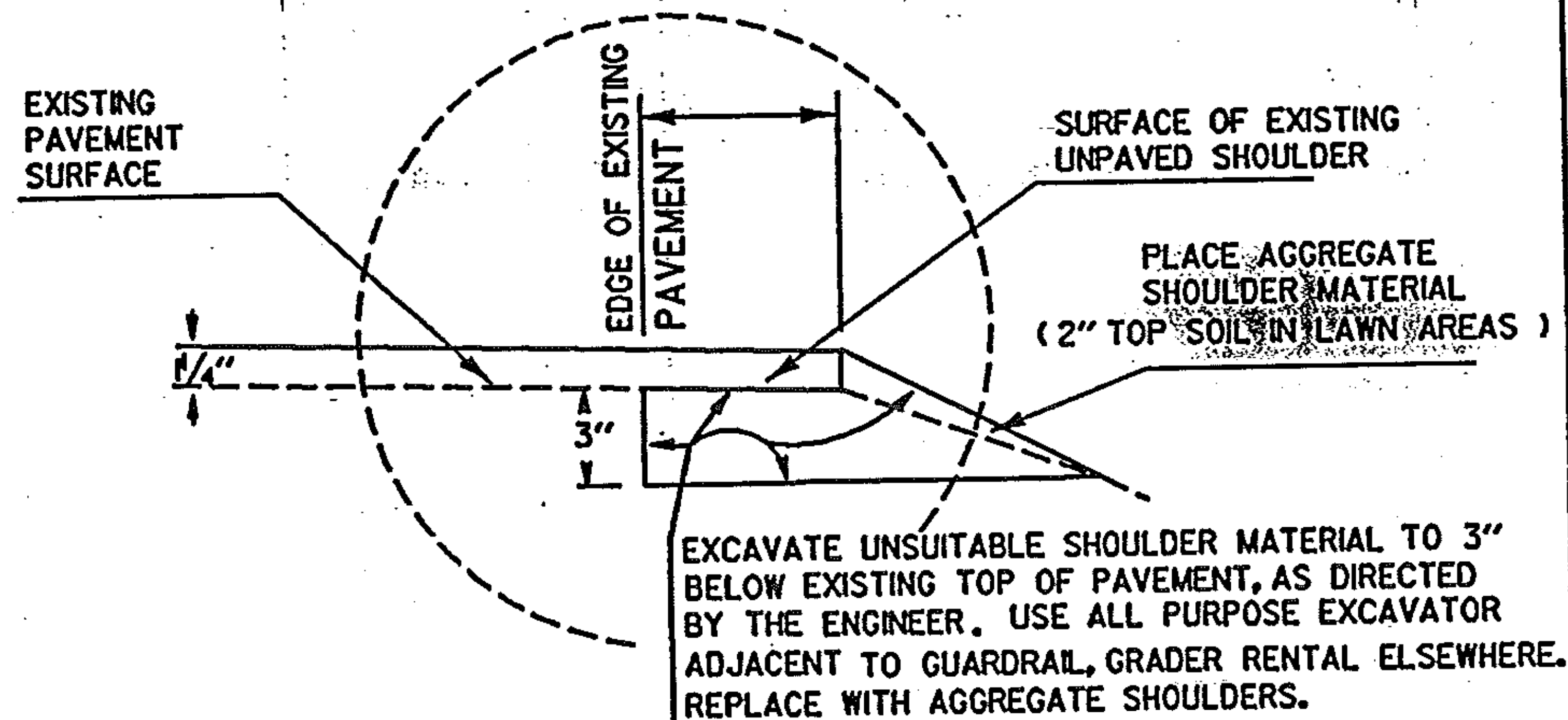
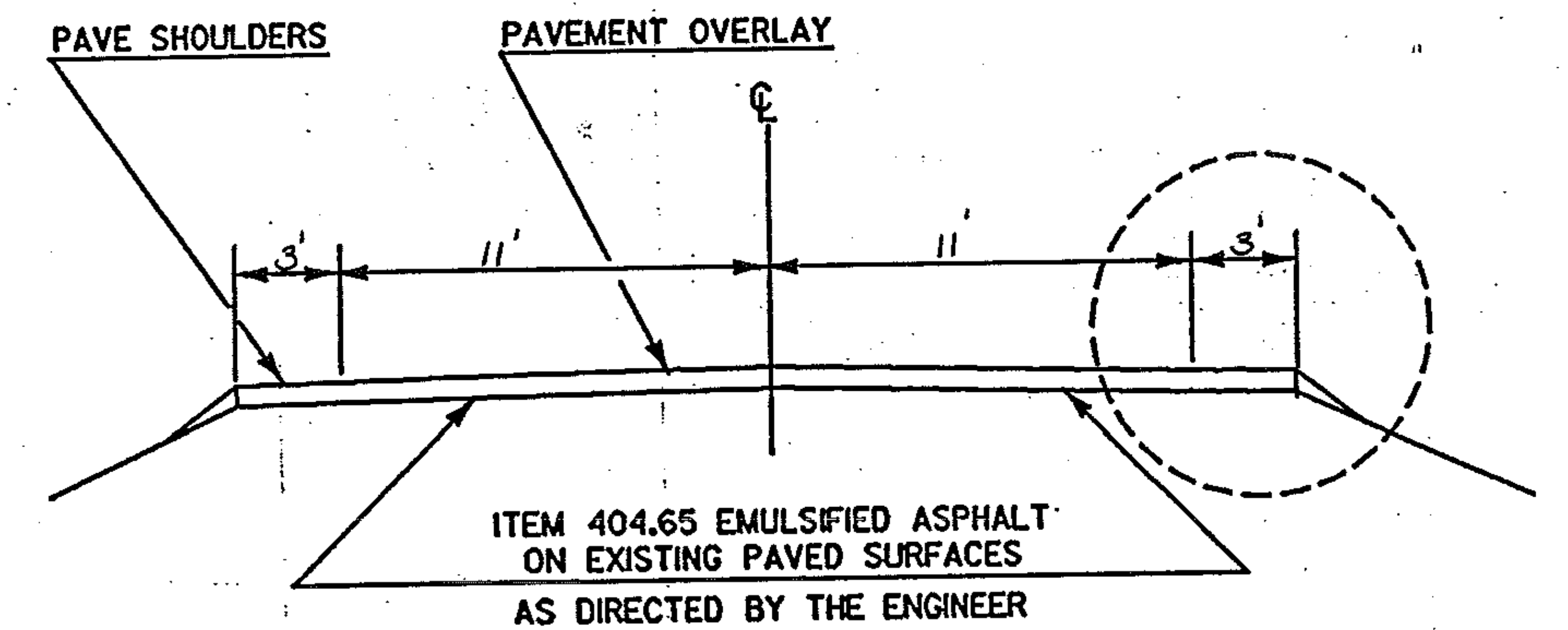
HMA 2866 1984 ADT: 1280
LENGTH : 10.687 MILES
56,428 FEET

PROJECT FAIRFIELD - BAKERSFIELD

NO. HMA 2866, 2871
SHEET 39 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (315 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 36 FAIRFIELD MM 1.33 ~ MM 1.830



PROJECT FAIRFIELD

NO. HMA 2871

SHEET 40 OF 60 SHEETS

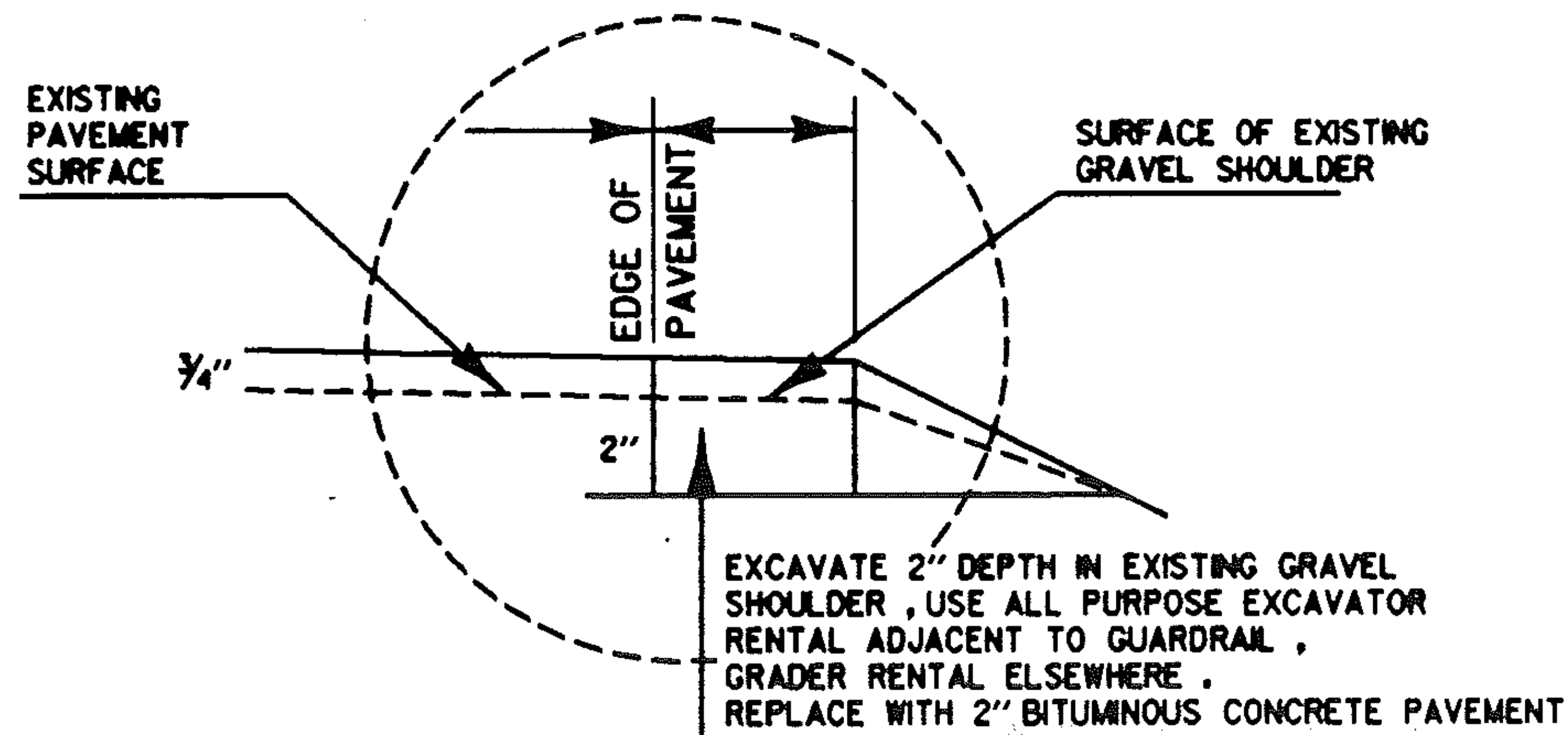
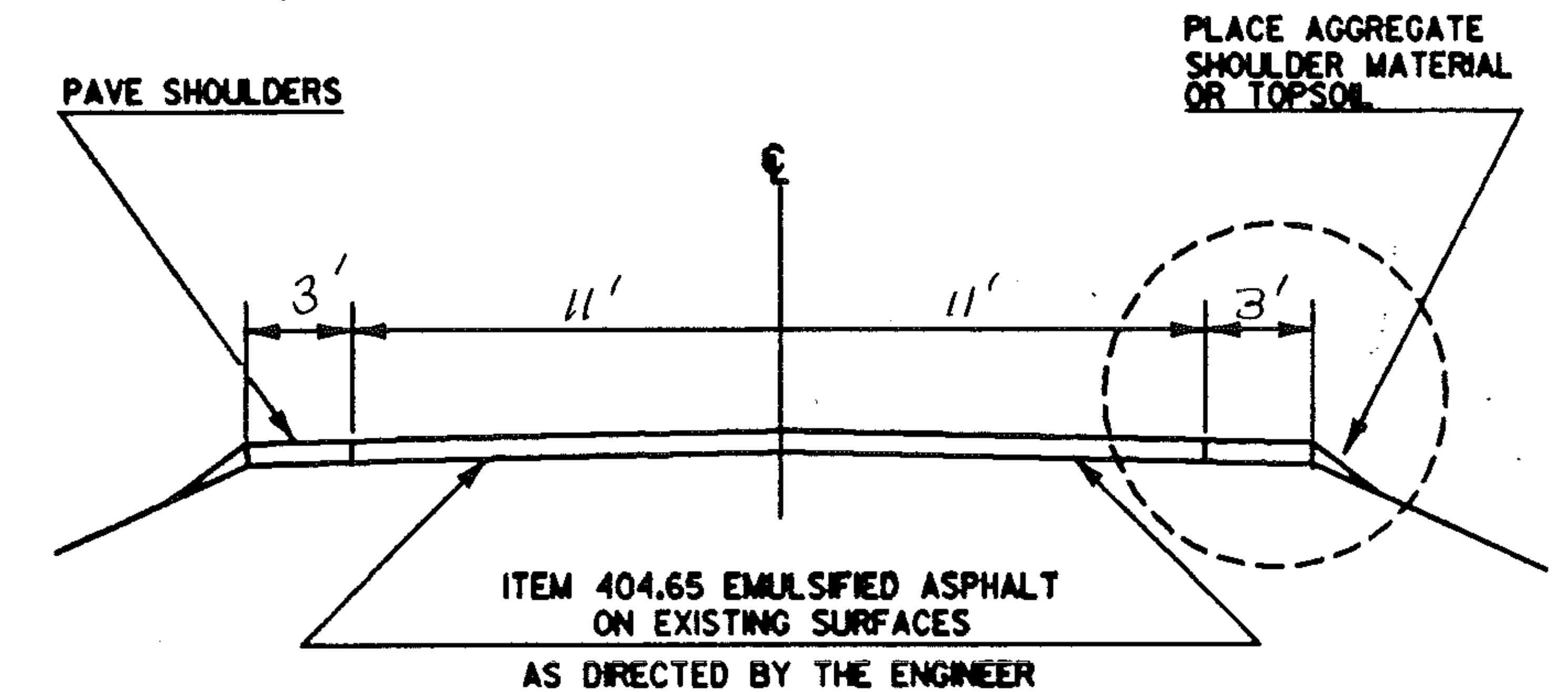
TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (320 TONS/MILE)

1/4" WEARING COURSE TYPE III (±1/4")

AS DIRECTED BY THE ENGINEER

VT. 36 FAIRFIELD MM 1.830 ~ MM 7.958



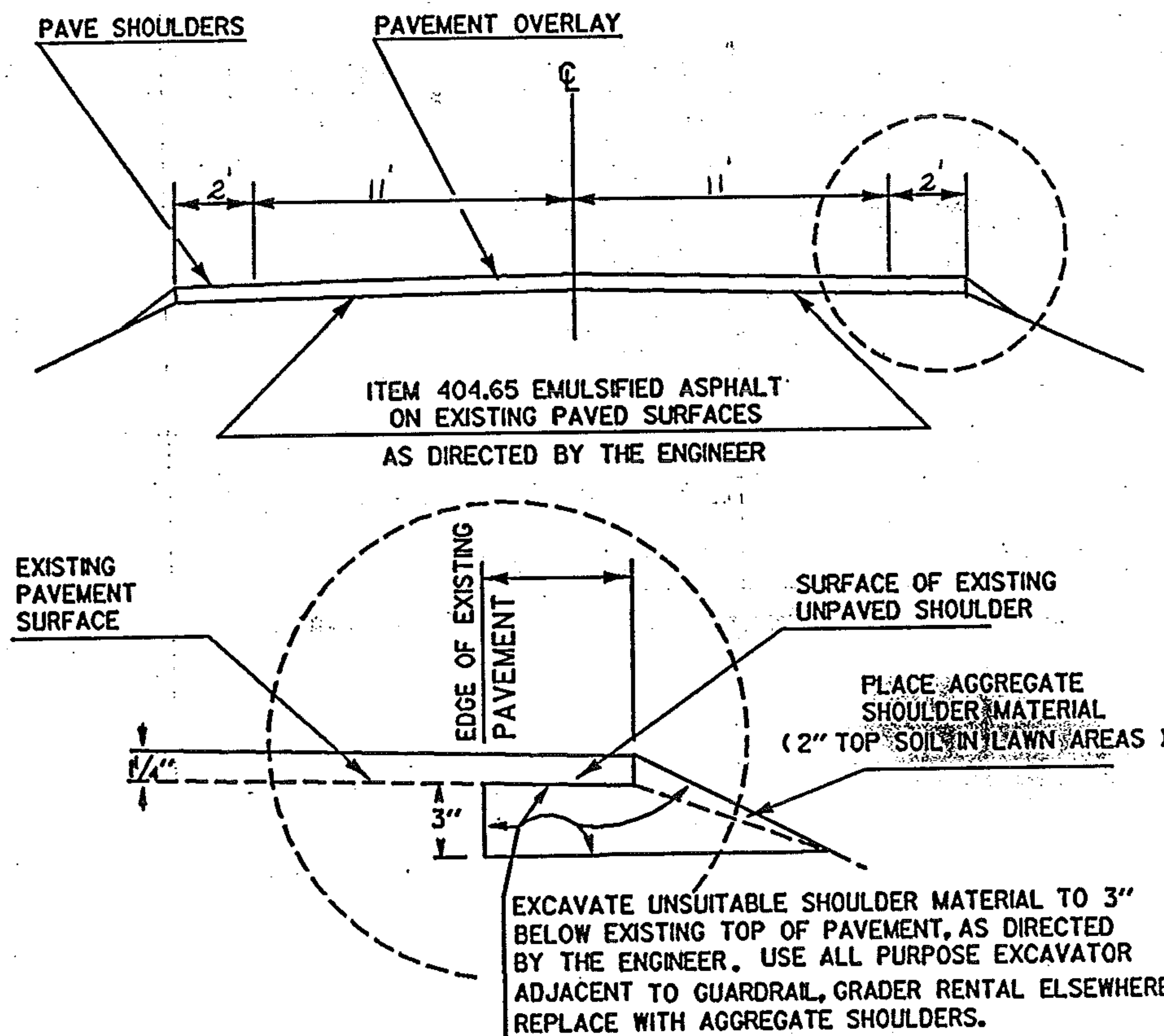
PROJECT FAIRFIELD-BAKERSFIELD

NO. HMA 2866

SHEET 41 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (295 TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT 36 FAIRFIELD MM 7.958 ~ MM 9.444



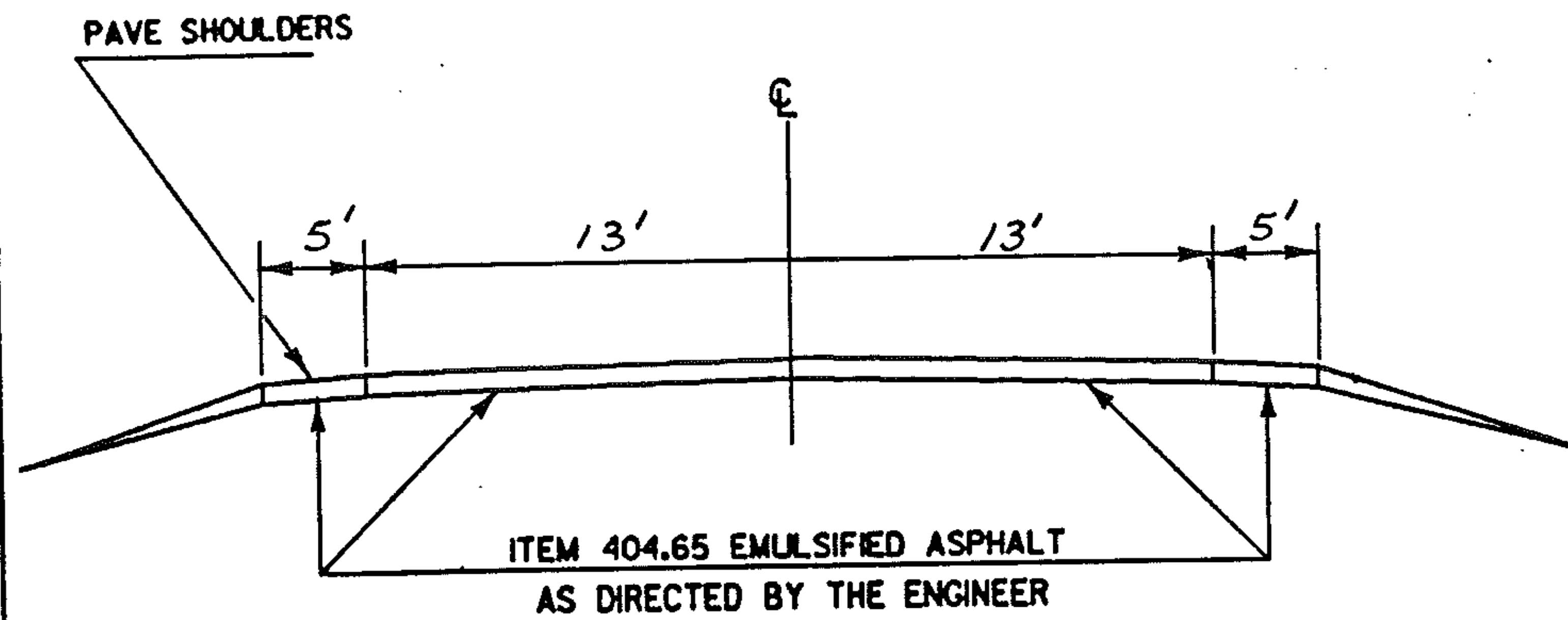
PROJECT FAIRFIELD - BAKERSFIELD

NO. HMA 2866

SHEET 42 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
LEVELING COURSE TYPE IV (410 TONS/MILE)
1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
AS DIRECTED BY THE ENGINEER



VT. 36 FAIRFIELD MM 9.444 ~ MM 9.572

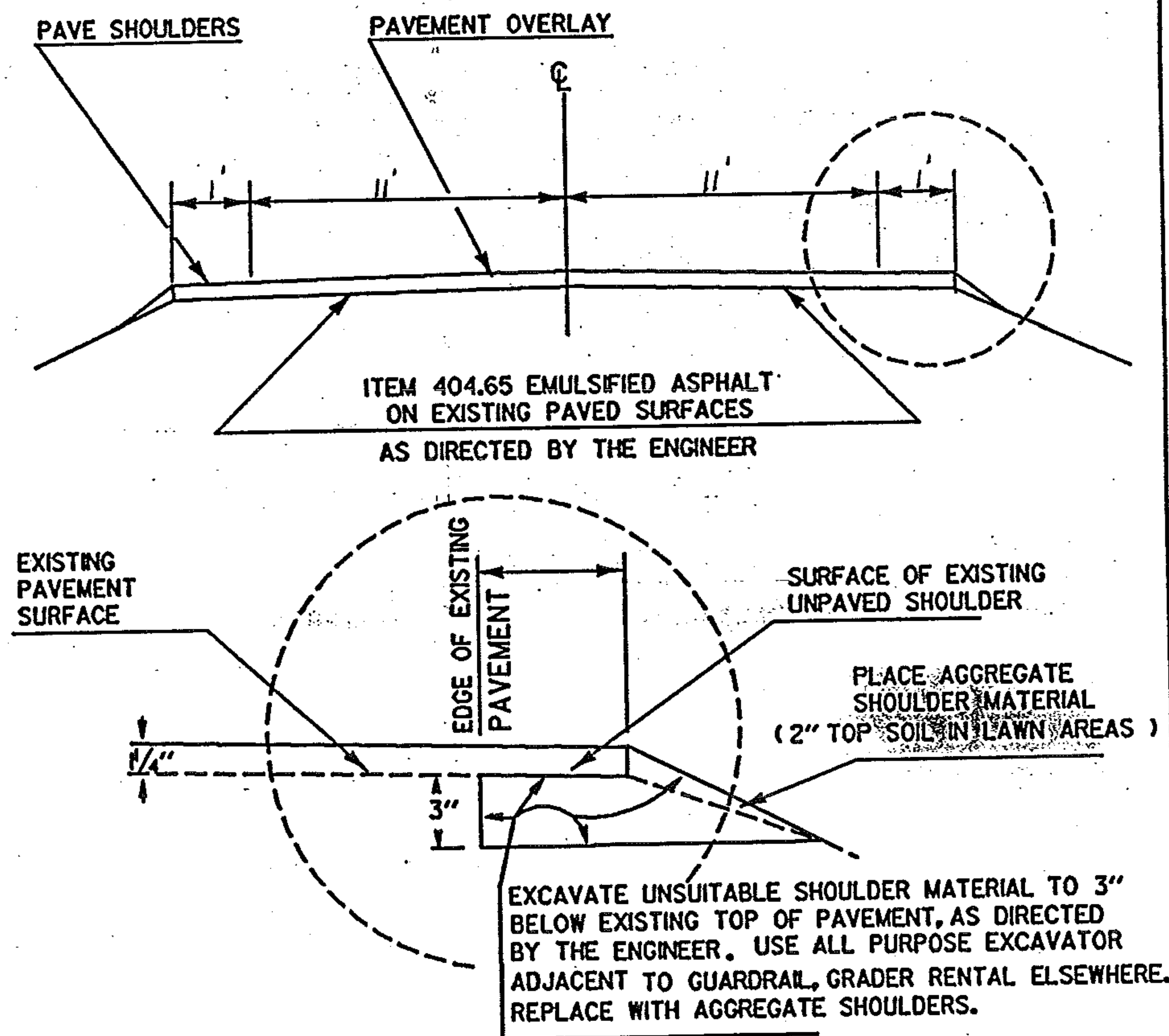
PROJECT FAIRFIELD - BAKERSFIELD

NO. HMA 2866

SHEET 43 OF 60 SHEETS

TYPICAL SECTIONS & DESIGN DATA

ITEM 406.25 BITUMINOUS CONCRETE PAVEMENT
 AGGREGATE SHOULDERS ($\pm 1/2"$)
 LEVELING COURSE TYPE IV (TONS/MILE)
 1 1/4" WEARING COURSE TYPE III ($\pm 1/4"$)
 AS DIRECTED BY THE ENGINEER
 VT. 36 FAIRFIELD MM 9.572 ~ BAKERSFIELD MM 2.507



TEMPORARY 4" YELLOW LINE

[illegible]

TEMPORARY 4" WHITE LINE

[illegible]PROJECT FAIRFIELD

NO. HMA 2871

SHEET 45 OF 60 SHEETS

TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY C	QUANTITY RT		TOTALS
	1.83	1.86	S	D		158		40		198
	1.86	1.96	D	S		158		634		792
	1.96	2.02	S	S		211		211		422
	2.02	2.13	S	D		581		145		726
	2.13	2.45	D	D			422			422
	2.45	2.55	D	S		159		634		793
	2.55	3.30	S	S		3854		3854		7708
	3.30	3.43	S	D		686		171		857
	3.43	3.57	D	S		211		845		1056
	3.57	5.01	S	S		7498		7498		14996
	5.01	5.15	S	D		739		185		924
	5.15	5.31	D	S		211		845		1056
	5.31	6.78	S	S		7762		7762		15524
	6.78	6.92	S	S		185		739		924
	6.92	7.29	S	S		1954		1954		3908
	7.29	7.32	S	S		39		158		197
	7.32	7.46	S	D			185			185
	7.46	7.56	S	S		132		528		660
	7.56	7.99	S	S		2270		2270		4540
	7.99	8.11	S	S		634		158		792
	8.11	8.20	S	S		119		475		594
	8.20	8.53	S	S		1742		1742		3484
	8.53	8.65	D	S		158		634		792
	8.65	10.01	S	S		7180		7180		14360
	0.00	0.47	S	S		2482		2482		4964
	0.47	0.59	S	D		634		158		792

TEMPORARY 4" WHITE LINE

Durable Letters	SCHOOL AT	MM 4.25, MM 4.58, MM 9.41, MM 9.59							24 Letters	
	STOP AHEAD	MM 2.38							9 Letters	
R.R. Symbol @	MM 7.49, 7.69, 8.68, 8.84, 9.52, 9.70								6 Each	
STOP BAR @	MM 2.507								15 L.F.	

PROJECT *Fairfield-Bakersfield*

NO. *HMA 2B66*

SHEET *46* OF *60* SHEETS

TEMPORARY 4" YELLOW LINE

	MILE	MILE	LT	RT		QUANTITY LT	QUANTITY C	QUANTITY RT		TOTALS
	0.59	0.64	D	S			66			66
	0.64	0.77	D	S		172		686		858
	0.77	1.36	S	S		3115		3115		6230
	1.36	1.50	S	D		739		185		924
	1.50	1.61	D	S		119		475		594
	1.61	1.66	D	D			66			66
	1.66	1.74	S	D		422		106		528
	1.74	1.76	S	S		106		106		212
	1.76	1.86	D	S		132		528		660
	1.86	1.89	D	D			40			40
	1.89	2.01	S	D		634		158		792
	2.01	2.10	D	D			119			119
	2.10	2.25	D	S		198		792		990
	2.25	2.507	S	S		1357		1357		2714
										96459
						29 T.H.s x 80' =	2320			-2320
										94139
						100% Less Due To Leveling				94139
										188278
									Rnd	22
									Total	188300

TEMPORARY 4" WHITE LINE

	1.83	10.01	S	S		43190		43190		86380
	0.00	2.507	S	S		13237		13237		26474
								Sub Total		112854
								Rnd		46
								Total		112,900

PROJECT Fairfield-Bakersfield

NO. HMA 2866
SHEET 47 OF 60 SHEETS

BRIDGES

TOWN	MM	BRIDGE NUMBER	DO NOT PAVE
FAIRFIELD	1.689	3	
FAIRFIELD	4.758	6	✓
FAIRFIELD	7.843	9	✓
FAIRFIELD	9.136	10	
BAKERSFIELD	0.154	11	
BAKERSFIELD	0.459	12	
BAKERSFIELD	0.652	13	
BAKERSFIELD	1.168	14	

PROJECT FAIRFIELD - BAKERSFIELD

NO. HMA 2866

SHEET 48 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION																
OPTION																
OVERLAY DEPTH																
LENGTH																
WIDTH																
GRAVEL SHOULDERS																
EMULSIFIED ASPHALT																
BITUMINOUS CONCRETE RENTAL																
POWER BROOM RENTAL																
UNIFORMED TRAFFIC OFFICERS																
FLAGGERS																
MOBILIZATION																
TEMP 4" WHITE LINE																
TEMP 4" YELLOW LINE																
TOPSOIL																
ITEM NO.	UNIT	FT.	FT.	IN.	CY	TON	CWT	TON	HR	HR	HR	LS	LF	LF	CY	
FAIRFIELD																
HMA 2871		2640	28	1 1/4	98	172	10	569	4	36	36		5280	4490	.13	
								157								

PROJECT FAIRFIELD NO. HMA 2871 SHEET 49 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION		OPTION														ITEM NO.							
		OVERLAY DEPTH																					
		GRVEL SHOULDERS																					
		EMULSIFIED ASPHALT																					
		BITUMINOUS ASPHALT																					
		POWER BROOM RENTAL																					
		UNIFORMED TRAFFIC OFFICERS																					
		FLAGGERS																					
		MOBILIZATION																					
		TEMP 4" WHITE LINE																					
		TEMP 4" YELLOW LINE																					
		TOPSOIL																					
ITEM NO.		402.10	402.12	404.65	406.25	608.30	630.10	630.15	635.10	646.50	646.51	651.35											
UNIT		CY	TON	CWT	TON	HR	HR	HR	LS	LF	LF	CY											
FAIRFIELD																							
BAKERSFIELD																							
MM 1.830	32356	28	1 1/4		599	1048	125	6979	49	447	447						153	INCLUDES SHOULDERS					
MM 7.958								1961										LEVEL COURSE					
MM 7.958	7846	26	1 1/4		291	509	28	1572	12	101	101						37	INCLUDES SHOULDERS					
MM 9.444								438										LEVEL COURSE					
MM 9.444	676	36	1 1/4		8	14	3	187	1	12	12						3	INCLUDES SHOULDERS					
MM 9.572								52										LEVEL COURSE					
MM 9.572	15550	24	1 1/4		576	1008	52	2875	24	184	184						74	INCLUDES SHOULDERS					
MM 2.507								810										LEVEL COURSE					

PROJECT FAIRFIELD - BAKERSFIELD

NO.

HMA 2866

SHEET 50 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

[illegible]

PROJEC
FAIRFIELD - BAKERSFIELD

$$\frac{C}{Z}$$

HWA 2866

כעת נעלה לשלול את

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION

ALL PURPOSE EXCAVATOR RENTAL, TYPE I

POSE EXCAVATOR RENTAL, TYPE
TRUCK RENTAL
POWER GRADER RENTAL

ITEM NO.	608.25	608.37	608.15
UNIT	HR	HR.	HR.
HMA 2871	5	5	10
HMA 2866	50	30	50
TOTAL	55	35	60

PROJECT FAIRFIELD-BAKERSFIELD

NO. HMA 2866, 2871

SHEET 52 OF 60 SHEETS

PROJECT LENGTHS AND ITEM QUANTITIES

ITEM DESCRIPTION									
DURABLE LETTER IN WORD MARKING									
DURABLE RFR CROSSING SYMBOL									
DURABLE 24" STOP BAR									
ITEM NO.	646.44	646.48	646.49						
UNIT	EA.	EA	LF						
FAIRFIELD									
MM 4.25	6								"SCHOOL"
MM 4.58	6								"SCHOOL"
MM 9.41	6								"SCHOOL"
MM 9.59	6								"SCHOOL"
MM 7.49		1							
MM 7.69		1							
MM 8.68		1							
MM 8.84		1							
MM 9.52		1							
MM 9.70		1							
BAKERSFIELD									
MM 2.38	9								"STOP AHEAD"
MM 2.507			20						
TOTAL	33	6	20						

PROJECT FAIRFIELD - BAKERSFIELD

NO.

HMA 2866

SHEET 53 OF 60 SHEETS